Prince Edward Island
CANADA

Department of Transportation and Public Works

Annual Report

for the year ending March 31, 1999

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Prince Edward Island, Canada, C1A 7N8
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Mandate:

The mandate of the Prince Edward Island Department of Transportation and Public Works is to contribute to economic development and the quality of life in this province by maintaining and enhancing, in an affordable way, the essential transportation systems and services for the efficient and safe movement of people, goods, and services.

It is also necessary to provide the infrastructure necessary for the efficient conduct of government through services to other government departments in the areas of building construction, crown land management, building maintenance, and accommodations.

The Honourable Gilbert R. Clements
Lieutenant Governor of Prince Edward Island

May It Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and the Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Public Works for the period April 1, 1998 to March 31, 1999.

Respectfully submitted,

Michael F. Currie
Minister

Prince Edward Island
CANADA

Transportation and Public Works

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The Honourable Michael F. Currie
Minister, Transportation and Public Works
Province of Prince Edward Island

Sir:

I am pleased to submit to you the Annual Report of the Department of Transportation and Public Works for the period April 1, 1998 to March 31, 1999.

The activities of the respective Divisions are recounted in the following pages of the Report.

Respectfully Submitted,

Tom Harland, P.Eng.
Deputy Minister

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DEPARTMENT OF TRANSPORTATION
AND
PUBLIC WORKS

MISSION STATEMENT:

The role of the Department of Transportation and Public Works is four-fold:

- To provide high quality and timely policy advice to the Government of Prince Edward Island on all matters related to transportation and public works;

- To provide transportation infrastructure and foster development of a safe, efficient, affordable and environmentally sustainable transportation system for the movement of people and goods;

- To provide quality services to the rest of Government in the areas of building construction, Crown land management, building maintenance, accommodations and telecommunications; and

- To support development of the Prince Edward Island economy.

Clients include transportation users, enforcement agencies, the construction industry, and other Government Departments.

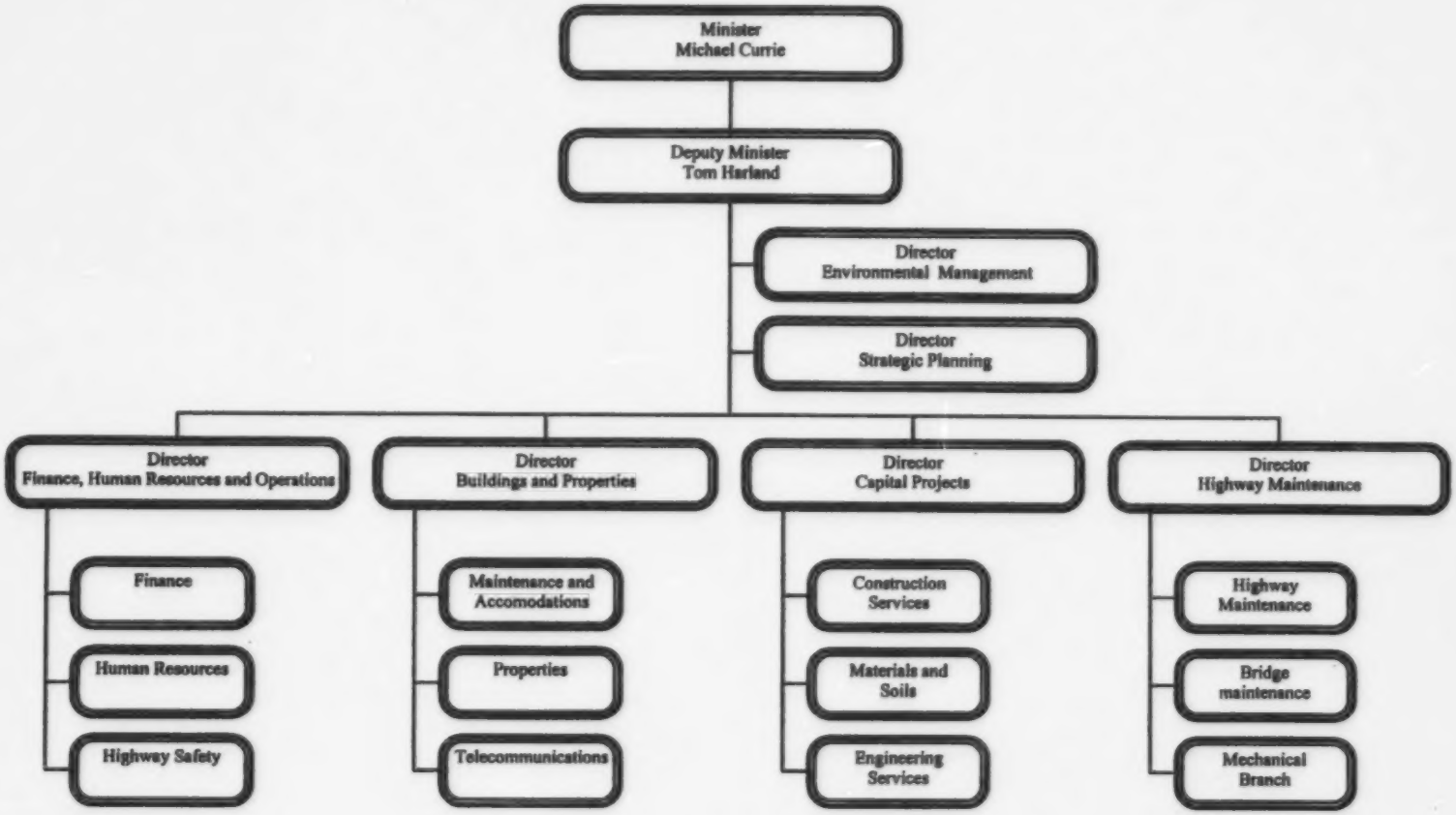
LEGISLATIVE RESPONSIBILITIES:

- **Architects Act**
- **Crown Building Corporation Act**
- **Dangerous Goods (Transportation) Act**
- **Engineering Profession Act**
- **Expropriation Act**
- **Georgetown Common Land Act**
- **Highway Traffic Act**
- **Land Survey Act**
- **Land Surveyor's Act**
- **Off-Highway Vehicle Act**
- **Public Works Act**
- **Roads Act**

Note: Departmental Organization

Organizational changes were made at the latter part of the 1997-1998 fiscal year. These changes are reflected in the Organizational chart on page 3a

The Department is divided into six divisions. Each division is supervised by a Director who reports directly to the Deputy Minister.


Minister
Michael Currie
Deputy Minister
Tom Harland
Director
Environmental Management
Director
Strategic Planning
Director
Finance, Human Resources and Operations
Director
Buildings and Properties
Director
Capital Projects
Director
Highway Maintenance
Finance
Human Resources
Highway Safety
Maintenance and
Accomodations
Properties
Telecommunications
Construction
Services
Materials and
Soils
Engineering
Services
Highway
Maintenance
Bridge
maintenance
Mechanical
Branch

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Minister	Hon. Mike Currie
Administrative Assistant	Susan Shaw
Deputy Minister	Tom Harland
Administrative Assistant	Nancy MacKinnon
STRATEGIC PLANNING	Foster Millar
ENVIRONMENTAL MANAGEMENT	George Trainor
FINANCE, HUMAN RESOURCES AND OPERATIONS	Joe Murphy
Finance	Robert Clow
Human Resources	John Bruce
Highway Safety Operations	Wilfred MacDonald
	John MacDonald
BUILDINGS AND PROPERTIES	Joe Caswell
Maintenance and Accommodations	Frank Chaisson
Properties	Paul Knox
Telecommunications	Milan Radanovich
CAPITAL PROJECTS	Wayne MacQuarrie
Western Regional Engineer	Gary McLure
Central Regional Engineer	Foch McNally
Eastern Regional Engineer	Matt Collins
Materials and Soils	Terry Kelly
Planning & Design Engineer	Allan(Jake) Bartlett
HIGHWAY MAINTENANCE	Steve MacLean
Highway Maintenance, Western	Mike Berrigan
Highway Maintenance, Central	Gordie Lund
Highway Maintenance, Eastern	Gerard Morrison
Bridge Maintenance	Donnie Blanchard
Mechanical Branch, Western	Bob Fitz
Mechanical Branch, Central	David Clements
Mechanical Branch, Eastern	Gordon Blackett

ENVIRONMENTAL MANAGEMENT DIVISION

Effective January 1, 1998, the Department of Transportation and Public Works expanded its efforts to provide environmental protection when building, upgrading or repairing highway facilities, as well as watercourse or wetland alterations by forming the Environmental Management Division. The changes will also allow for environmental control of the installation of services by municipalities, other than the cities of Charlottetown and Summerside, within the Province's right-of-ways.

The Division has developed an Environmental Management Plan to prepare and co-ordinate the preparation of Environmental Impact Assessments as required to support the applications for environmental permits and to assist in the development and implementation of training programs for both Departmental and contractors' personnel.

Three Environmental Officers representing each of the three counties have the authority to make recommendations to remedy insufficient environmental protection or, if need be, to make recommendations to the Director or Chief Environmental Engineer to have the work suspended until the contractor commences the work as per the specifications in the Department's General Provisions and Contract Specifications for Highway Construction as well as all regulatory permits and approvals.

The Division staff processed 410 Environmental Assessments during the 1998/1999 Fiscal Year. Approximately 96 Stream Alteration Permits were issued in the Western Region, 129 permits in the Central Region, and 146 permits in the Eastern Region of the Province.

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IMPORTANT NOTE CONCERNING THE FOLLOWING PAGES

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Stream Alteration Permits

REGION	NEW PERMITS	RENEWALS	TOTAL
Western	96	11	107
Central	129	13	142
Eastern	146	15	161
Approximate number of permits issued for 1998/1999			

Environmental education and training sessions were provided to Departmental staff, including labourers, heavy equipment operators, supervisors and senior management, as well as contractors and consultants performing work for the Department.

An end-of-season Environmental Audit was conducted on Departmental projects. The audit confirmed a successful year in environmental management with a project compliancy rating of about 95% (15.6 exceeded requirements, 68.9 met all requirements, 11.1 met most requirements).

The Division provided environmental management service for several public projects including: chairing an intergovernmental committee on the proposed Summerside West End Development Project and coordinating development of a Terms of Reference for the associated environmental studies; participation on Provincial Environmental Advisory Committees for projects including Brudenell Expansion, Crowbush Resort Development, others; and assisting watershed groups in their development of environmental restoration programs (e.g., Ross' Dam Restoration, and Cardigan Fish Hatchery Dredging Project).

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STRATEGIC PLANNING AND DEVELOPMENT DIVISION

The Strategic Planning and Development Division is responsible for assessment and analysis of long term transportation requirements within the Province, combined with the planning and implementation of major projects required to meet the initiatives of various government departments, agencies and corporations.

The Division was involved in a number of activities, including:

- Cornwall Perimeter Highway
- Intelligent Transportation Systems evaluation
- Marine and airports
- East Prince Health Facility
- Brudenell Resort Expansion
- Climate Change Transportation Table

FINANCE, HUMAN RESOURCES AND OPERATIONS DIVISION

The Finance, Human Resources and Operations Division is responsible for the financial and personnd services of the Department as well as Highway Safety Operations.The responsibility of this division is to provide staff with accessible, accurate and timely on-line information on all matters relating to Administration, Finance, Human Resources and Information Systems and to facilitate payments for goods and services. The Highway Safety Operations' responsibility is to promote safe conditions for highway users, issue drivers licences and registrations for vehicles and administer Highway Traffic Act Off Highway Vehicle Act, Roads Act and Transportation of Dangerous Goods Act.

Finance Section

The Finance Section is responsible for the financial services of the Department. This includes the preparation of the annual budget, budget control, departmental accounting, purchasing, inventory control, and other related administrative support functions.

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31,1999 follows at the end of this Annual Report.

Human Resources Section

The Human Resources Section is responsible for the planning and administration of the Department's Human Resources and Information Technology initiatives.

The work of the section includes the following:

-Personnel and Payroll Services

-Departmental Training Administration

-Organizational Development

-Seasonal and Permanent Staffing

-Position Classification

-Collective Bargaining and Contract Interpretation

-Management Consultation

-Management of the Department's hardware and software technologies

During the year the following activities took place:

Human Resources

-Customer Service Training

Highway Safety

Public Works

-Three Hundred and Six(306) casual positions identified for conversion to the classified division.

-Study completed on Succession Planning through the resources of the Section utilizing a student from the University of Prince Edward Island's Business Internship Program.

Information Technology

-Negotiations undertaken with the Department of Technology and Environment to enter into a Service level Agreement for the acquisition of Desktop and Network Management services.

-Year 2000 compliancy iniative undertaken on behalf of the Department.

HIGHWAY SAFETY OPERATIONS

Highway Safety operates branch offices in Alberton, Souris, Montague, Summerside (Acœss PEI), with the main branch located in Charlottetown which provides the general administration, safety programs and registration functions for the Department.

The overall objective is to promote and enforce safe conditions for highway users, issue driver's licenses, provide registration for vehicles and drivers, and to support theMinister of Transportation and Public Works in the administration of the ***Highway Traffic Act***, ***Off-Highway Vehicle Act***, ***Roads Act,*** and the ***Transportation of Dangerous Goods Act.***

The following Sections are tasked with the responsibilities of carrying out the objectives of Highway Safety:

Records
Systems Development and Quality Control
CAVR
Registration and Licensing
Safety

Highway Safety is managed by a Director and two senior Managers.

Records Section

The Records Section maintains records on all drivers and carriers with convictions for motor vehicle related offences throughout Canada and who are scheduled for counselling activity, such as an interview or a re-examination. The Records Management System (RMS) is one of the key programs used by this Section and is designed to efficiently and effectively maintain driving records to meet the needs for managing drivers and carriers. There were approximately 13,000 motor vehicle related convictions in 1998.

This section maintains a close working relationship with all law enforcement agencies throughout the Province along with various other government departments, in particular, the Department of Community Services and Attorney General. It deals mainly with the **Highway Traffic Act** and the **Maintenance Enforcement Act.**

Driver Abstracts (a driver's record) are provided through the Records Section. This service is available to insurance companies, law enforcement, the legal community or an individual.

The Records Section is responsible for the evaluation, preparation and processing of all **Highway Traffic Act** and **Criminal Code of Canada** convictions which are driver related. A summary of the major activities is shown below with the 1997-98 figures displayed for comparison purposes.

Driver License Suspensions and Cancellations	**1997- 98**	**1998- 99**
Section 253(a) Criminal Code (Impaired Driving)	101	85
Section 253(b) Criminal Code (Failing the Breathalyzer)	329	277
Section 254(5) Criminal Code (Refusal of the Breathalyzer)	82	79
TOTAL ALCOHOL RELATED CONVICTIONS	**513**	**441**
Administrative Driving Prohibitions	185	339
Vehicle Impoundments	1	5
Demerit Point System (Point Accumulation)	432	389

Theft of a Motor Vehicle	27	23
Default in Payment of Fine(s) (Motor vehicle related offences)	1,314	1,603
Failure to Satisfy a Judgment (Accident with an uninsured vehicle)	1	4
Reinstatement of driving privileges from suspension/cancellation	1,311	1,629
Number of Warning Letters Issued (Point Accumulation)	1,703	1,582
Number of Driving Record Interviews Issued (Point Accumulation)	324	335

Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, Etc.)	**1997 - 98**	**1998 - 99**
Medical Referrals Issued	111	123
Vision Referrals Issued	17	24
Driving Re-Examination Conducted	149	141
Driving Record Interviews	30	35
Restricted Driver Licenses Issued	36	42
Requests for Abstracts of Driving Records from Insurance Companies and Individuals The fee for an Abstract is $15.00.	28,621	28,220

Systems Development and Quality Control Section

This section is responsible for providing computer generated statistical information for all sections at Highway Safety. Staff are also responsible for the planning, development, implementation and maintenance of several information systems including:

- Driver Vehicle System (DVS)
- Single Application Vehicle Registration (CAVR Program)
- Records Management System (RMS)
- Collision and Accident Reporting System (CARS)
- Inter-Provincial Records Exchange System (IRE)
- Telephone Vehicle Registration System (TVRS)
- Photo Imaging System
- Priority Service System (PSS)

In 1998, a Management Information Systems (MIS) team was structured to include the Systems staff at Highway Safety along with Departmental Information Technology resource personnel. As a result, application testing and support will be provided by Highway Safety Operations staff for the entire Department.

Canadian Agreement on Vehicle Registration (CAVR)

The Canadian Agreement on Vehicle Registration (CAVR) provides a means whereby vehicles may travel in two or more member jurisdictions for a registration fee that is equal (more or less) to the fee of a single jurisdiction. Member jurisdictions include all ten Canadian provinces but not Yukon or Northwest Terrorities. Two distinct methods of

registering vehicles are set out in the Agreement. The applicable one depends on the type of vehicle to be registered.

Vehicles registered through the CAVR process are issued a PRP (Proportional Prorate Plate) license plate. A total of 800 PRP plates were issued this fiscal year.

It is not mandatory that vehicles be registered under this Agreement, but if they are not, they must be licensed separately in each jurisdiction in which they will travel by obtaining either an annual, part-year or temporary license or a single-trip permit.

One method, referred to as "mileage or distance prorate", applies to vehicles that are designated as **Category A**. The other method known as "full and free reciprocity" applies to **Category B** vehicles.

A Category A vehicle is a truck, a truck and trailer or a tractor-trailer combination having a gross weight of 5500 kg or more and used for the transportation of property.

A Category B vehicle is the same truck combination but having a gross vehicle weight of less than 5500 kg and used for the transportation of property.

A Category C vehicle is the same truck combination as Category A and B. These trucks are granted full reciprocity with other provinces and may operate in all Canadian Provinces when legally registered in their home province.

CAVR services are provided at the Charlottetown office of Highway Safety. The Distribution of Revenue is listed in the tables that follow.

Distribution of Revenue for P.E.I. Based Carriers Only

April 1, 1998 - March 31, 1999

Province	Registration Fees	Sales Tax Fees	Insurance Fees	Administration Fees	Total Fees
PE	$ 430,632.00	$257,903.90	$ NA	$ 19,640.00	$ 708,175.90
NB	550,672.00	NA	NA	9,530.00	560,202.00
NS	127,116.48	NA	NA	9,300.00	136,416.48
NF	7,298.79	NA	NA	3,250.00	10,548.79
QC	128,663.00	NA	99,452.00	3,610.00	231,725.00
ON	79,347.00	43,579.12	NA	3,610.00	126,536.12
MB	3,988.00	2,350.04	NA	1,600.00	7,938.04
SK	3,994.91	3,961.75	NA	1,580.00	9,536.66
AB	2,582.00	NA	NA	1,580.00	4,162.00
BC	1,026.00	1,233.81	NA	680.00	2,929.81
TOTALS	**$1,335,320.18**	**$309,018.62**	**$ 99,452.00**	**$ 54,380.00**	**$1,798,170.80**

Distribution of Revenue Remitted by All Jurisdictions to P.E.I.

April 1, 1998 - March 31, 1999

Jurisdiction	Prorate Fees (Registration)	CAVR Tax (Sales Tax)	Cab Cards (Administration)	Total Fees
NB	$147,341.83	$ 57,665.46	$150,380.00	$355,387.29
NS	71,908.00	64,598.73	82,400.00	218,906.73
NF	2,466.00	5,086.02	5,680.00	13,232.02
QC	23,077.00	29,611.43	52,880.00	105,568.43
ON	8,305.00	22,776.54	50,520.00	81,601.54
MB	90.00	1,236.83	15,700.00	17,026.83
SK	681.00	2,278.72	6,599.00	9,558.72
AB	1,655.00	20,712.41	57,820.00	80,187.41
BC	206.00	3,149.00	4,820.00	8,175.00
Cat B	1,359.00		1,780.00	3,139.00
TOTALS	**$257,088.83**	**$207,115.14**	**$428,579.00**	**$892,782.97**

Total revenue collected for 1998-99 was $2,690,953.77.

Total revenue retained by PEI for this period was $1,600,958.87

International Registration Plan (IRP)

A new system was developed in April, 1998 to provide an International Registration process for commercial vehicles to provide reciprocity for vehicles travelling across Canada and into the United States. It is 98 per cent complete.

When completed in April, 2001, this new process will replace the Canadian Agreement on Vehicle Registration (CAVR).

Registration and Licensing Section

The Registration and Licensing Section issues driver licenses and processes vehicle registrations. All vehicle activity, (except the Category A, B, and C vehicles which are processed through CAVR) is carried out in this section. Some of the other activities which are processed through the Registration and Licensing Section include:

- Renewing or issuing new Driver Licenses
- Renewing or issuing vehicle registrations for cars, trucks, buses, trailers, off-road vehicles, motorcycles, and snowmobiles
- Transferring ownership of vehicles
- Issuing license plates
- Processing the entries registered through the Telephone Vehicle Renewal System (TVRS)
- Processing the entries registered at the drive-through window

Customer Service continues to be the main focus at Highway Safety. In December, 1998 a new concept was added that is well received and very popular with clients and the public in general. Customers and clients doing business with Highway Safety are met by an official "greeter" who provides information and assistance to everyone entering the building through the main entrance.

VEHICLE REGISTRATION BREAKDOWN

TYPE	1997-98	1998 - 99
Cars	65,866	57,505
Trucks	24,777	25,486
Motorcycles	1,388	743
Buses	386	391
Trailers	2,207	4,345
Off-Road Vehicles	2,047	1,413
Miscellaneous - Other Vehicles	40	534
Total Registrations	**96,711**	**90,417**

Telephone Vehicle Renewal System (TVRS) registrations totalled 4,247

A total of 4,158 vehicle registration renewals were transacted at the drive through window during the 1998 fiscal year

TOTAL NUMBER OF DRIVERS PER CLASS

CLASS	1997-98	1998- 99
CLASS 1 - Tractor Trailers	3,195	3,288

CLASS 2 - Bus for more than 24 passengers including School Bus	1,111	1,115
CLASS 3 - Trucks over 14,000 kgs	9,030	8,624
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	4,983	4,343
CLASS 5 - Car, light truck	75,255	73,338
CLASS 6 - Motorcycle	6,153	4,037
CLASS 7 - Beginner's Instruction Permit	1,825	1,737

Safety Section

The Safety Section deals with a number of issues as they relate to the driver and the vehicle. In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques which are primarily directed to highway users and by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. The countermeasure strategy is to increase the driver's knowledge of highway laws and safe driving practices. These include utilizing the news media for promotional and information purposes, testing new drivers, having licensing control over newly licensed drivers, and correction of unsafe practices among all drivers.

The Safety Section plans and co-ordinates the following programs:

- Promotion of Highway Safety
- Driver Improvement Programs
- Motor Vehicle Inspection
- Highway Weight Enforcement

Promotion of Highway Safety

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the **Highway Traffic Act,** regulations, and departmental policies. A driver requires the necessary knowledge, skill, physical and mental ability to operate a motor vehicle in order to obtain a driver's license.

A Driver Examiner tests all drivers applying for an initial license at Highway Safety, as well as, those applying for a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening, and an actual road test.

Driver Testing Statistics

Written & Oral Knowledge Tests 1997 - 1998	Written & Oral Knowledge Tests 1998 - 1999	Road Tests 1997 - 1998	Road Tests 1998 - 1999
1,625	1522	2,067	2100

Driver Education Licensing Certification Program

Highway Safety encourages young drivers to become involved in a Driver Education Program in order to promote correct driving habits. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit at 15 ½ years of age, however, they must wait at least 30 days following their 16th birthday before going on a road test.

Eight commercial Driver Education Schools operated in Prince Edward Island during 1998. Each school offers twenty-five hours of in-classroom instruction and six hours behind-the-wheel training as required by the Driving School Regulations.

Driver Education School

Class 5 Driver License

Written Examinations	Road Tests
1,230	1,232

Driver Improvement Programs

The primary function of Driver Improvement is to identify problem drivers through their driving record, interviews and meetings to encourage them to change their driving habits and attitudes to reduce fatalities, injuries, and property damage.

Driver Improvement Course

When a driver accumulates six or more demerit points, they are advised of the consequences which could result by the accumulation of additional demerit points.

Nine or more demerit points requires the driver to attend a driver improvement interview during which the driver is provided with an awareness of a driving problem and the process to a solution to the problem.

Twelve or more demerit points results in the suspension for three months of the driver's license. The driver is also expected to attend a reinstatement interview and a Driver Improvement Course. Failure to attend this course could result in further suspension of the driver's license.

During 1998, a total of 84 drivers successfully completed the Driver Improvement Course.

Driver Rehabilitation Program

All drivers who are convicted of a second or subsequent offence pursuant to Section 253(a), 253(b), or 254(c) of the **Criminal Code of Canada** must complete a Driver Risk Assessment which is conducted by Highway Safety. This assessment must be completed before a suspended driver can have their driver's license considered for reinstatement. Further referral to Addiction Services or to a Driver Rehabilitation Program could be required.

A Driver Rehabilitation Program is also conducted for the first-time offender convicted of impaired driving. This program is a requirement before a driver's license is reinstated.

During 1998, 218 drivers completed a Driver Rehabilitation Program.

Assessment Program

The Alcohol Assessment Referral Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and, if required, undergo curative treatment at an Addiction Services Centre. A Probationary driver's license may be returned to the driver only if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the curative treatment program is followed.

During 1998, a total of 58 drivers participated in the Assessment Program.

Novice Driver Course

The Novice Driver Course is compulsory unless a Driver Education Course has been successfully completed. All new drivers applying for a license must complete either of these courses prior to taking a road test.

The Novice Driver Course is scheduled and made available through Highway Safety. These courses can be taken in Charlottetown, Montague, Souris, Summerside and Elmsdale.

A total of 811 students successfully completed the Novice Driving Course during the year 1998.

Defensive Driving Course

Courses on safe driving habits have been developed by the Canada Safety Council with the co-operation of provincial governments. In Prince Edward Island this course is administered by the PEI Safety Council which is affiliated with St. John Ambulance.

Attendance at these courses is voluntary, and those who successfully complete the course receive a bonus of 3 points which can be used as a credit in the Demerit Point System.

During 1998, a total of 124 drivers successfully completed the Defensive Driving Course.

Collision and Reporting System (CARS)

Computer records are maintained of all reported motor vehicle collisions. It is estimated that during 1998 approximately 1,158,000,000 kilometers were driven in motor vehicles on Prince Edward Island.

During 1998, there were 1,886 collisions resulting in 916 injuries and 21 fatalities. The fatalities included 9 drivers, 9 passengers, 1 pedestrian and 2 motorcyclists.

Traffic Safety Promotion

Highway Safety provides information regarding traffic safety through the use of the news media, brochures, posters and pamphlets. Campaigns are conducted promoting rules of the road, bicycle safety, off-highway vehicle rules, vehicle safety, winter driving tips, registration and license renewal reminders and seat belt use. A continuous campaign is conducted to encourage drivers not to drink and drive.

The SADD (Students Against Drunk Driving) program is also promoted and encouraged through Highway Safety. Each of the 12 high schools across the province has a Chapter of SADD.

Motor Vehicle Inspection

The Motor Vehicle Inspection program monitors the operating condition of all motor vehicles in Prince Edward Island. Inspection stations and mechanics are required to meet specific criteria in order to be licensed by the Province through Highway Safety.

The stations and mechanics are closely monitored by Motor Vehicle Inspection Officers.

Motor Vehicle Inspection Statistics
April 1, 1998 - March 31, 1998

No. Of Stations	No. Of Mechanics	Cars/ Trucks	Farm Trucks	Motorcycles	Trailers	TOTAL	Reject
203	425	89,420	2,990	690	3,910	97,010	4,510

Roadside Vehicle Checks

Highway Safety Motor Vehicle Inspection Officers, assisted by police agencies, periodically conduct roadside vehicle checks throughout the year. Items checked include driver's license, vehicle registration and inspection, insurance coverage, use of seat belts, window tint and infractions under the Liquor Control Act.

The 1998 Statistical Data for Roadside Vehicle Checks is as follows:

Number of warnings	164
Number of charges	103
Total vehicles checked	4,432

Weigh Scale Stations

There are two weigh scale stations in Prince Edward Island. One is located at Borden/Carleton and the other in Wood Islands. The Borden/Carleton Scales are opened 24 hours a day, throughout the year and are staffed by three full-time officers and four relief officers.

The Wood Islands scales operate from May to mid December each year. They are open daily from 6:00 a.m. to 10:00 p.m. Staff includes two full-time and two relief officers.

Weigh Scale Officers enforce the **Roads Act** and **Vehicle Weight Regulations, Highway Traffic Act** and **Regulations, Transportation of Dangerous Goods Act and Regulations,** and the **Plant Health Act.**

TRUCK MOVEMENT

April 1, 1998 - March 31, 1999

ACTIVITY	LOCATION	NUMBER
Canadian Trucks	Borden/Carleton Scales	223,916
	Wood Islands Scales	18,549
U.S. Trucks	Borden/Carleton Scales	730
	Wood Islands Scales	52

DRIVER AND VEHICLE CHECKS

April 1, 1998 - March 31, 1999

ACTIVITY	LOCATION	NUMBER
Driver's Documents	Borden/Carleton Scales	7,093
	Wood Islands Scales	758
Hours of Work	Borden/Carleton Scales	1,358
(Driver's Log)	Wood Islands Scales	32
Trip Inspections	Borden/Carleton Scales	1,355
	Wood Islands Scales	10
Dangerous Goods	Borden/Carleton Scales	83
Inspections	Wood Islands Scales	2

MISCELLANEOUS ACTIVITIES

APRIL 1, 1998 - MARCH 31, 1999

ACTIVITY	LOCATION	NUMBER
Quick Check Stickers Issued	Borden/Carleton Scales	1,418
	Wood Islands Scales	206
Potato Levy Slips Collected	Borden/Carleton Scales	14,872
	Wood Islands Scales	426
Vehicles Checked For Taxable	Borden/Carleton Scales	50
Goods	Wood Islands Scales	2
Forest Products	Borden/Carleton Scales	4,502
	Wood Islands Scales	1,180

PERMITS ISSUED

April 1, 1998 - March 31, 1999

TYPE	LOCATION	NUMBER	REVENUE
In-Transit	Borden/Carleton Scales	34	$ 320.00
	Wood Islands Scales	6	30.00
Oversize	Borden/Carleton Scales	369	$ 7,570.00
	Wood Islands Scales	35	670.00
Overweight	Borden/Carleton Scales	30	$ 750.00
	Wood Islands Scales	11	275.00
Trip	Borden/Carleton Scales	766	$ 89,060.00
	Wood Islands Scales	52	5,175.00
Fuel	Borden/Carleton Scales	226	$ 5,650.00
	Wood Islands Scales	21	525.00
Work	Borden/Carleton Scales	57	$ 12,200.00
	Wood Islands Scales	1	300.00
Non-Compliance	Borden/Carleton Scales	181	$ 18,100.00
	Wood Islands Scales	10	1,000.00
Disinfection Fees	Borden/Carleton Scales	2,615	$ 27,980.50
	Wood Islands Scales	610	652.70
TOTALS	**Borden/Carleton Scales**	**4,278**	**$161,630.50**
	Wood Islands Scales	**746**	**$ 8,627.70**

RECORDED VIOLATIONS

April 1, 1997 - March 31, 1998

ITEM	LOCATION	NUMBER	REVENUE
Roads Act	Borden/Carleton Scales	854	$107,277.00
	Wood Islands Scales	36	5,083.00
Highway Traffic Act	Borden/Carleton Scales	114	$ 6,990.00
	Wood Islands Scales	9	690.00
TOTALS	**Borden/Carleton Scales**	**968**	**$114,267.00**
	Wood Islands Scales	**45**	**5,773.00**

Four Inspection Officers conducted Commercial Vehicle Safety Alliance (CVSA) roadside truck inspections at Borden/Carleton and Wood Islands. The following is the result of their efforts.

COMMERCIAL VEHICLE SAFETY ALLIANCE STATISTICS

April 1, 1998 - March 31, 1999

ITEM	1997-98	1998-99
Total Number of Trucks Inspected	165	290
Power Units Out Of Service	16	25
Trailers Out Of Service	6	17

Portable Scales

The Portable Scale Unit consists of two vehicles and portable wheel weigher scales. The unit is staffed by two permanent part-time officers and three relief officers.

Officers enforce the **Roads Act, Vehicle Weight Regulations, Highway Traffic Act, Transportation of Dangerous Goods Act, Fuel Tax** and **Plant Health Act.**

PORTABLE SCALES STATISTICS

April 1, 1998 - March 31, 1999

CHARGES	REVENUE
951	$103,177

Insurance Statistics 1998

One Officer devotes approximately 75% of his time to this operation.

Cancellation Notifications	4,892
Letter issued	650
Visit to clients	445
Files completed	4,511
Confiscated License Plates	7
Insurance obtained due to Highway Safety Operation Action	1

BUILDINGS AND PROPERTIES DIVISION

The responsibility of the Buildings and Properties Division is to provide quality services to all of Government in the area of building operating and maintenance, accommodations and telecommunications and Crown Land Management. The Operations and Maintenance section and Telecommunications section are responsible for operating and maintaining Government buildings and systems to meet client needs. The responsibility of the Properties section is to manage Provincial Lands to their best potential use. The Operations and Maintenance and Telecommunications section are responsible for the administration of space within Government owned and leased facilities as well as the management of Government telecommunications network and service.

The work of this section includes the following:

-Lease negotiation and management
-Spatial planning
-Mobile and land based communications services
-Telecommunications billing administration
-Building security and cleaning services
-Parking and signage administration
-Surplus furnishing redistribution and disposal

During the year the following activities took place:

OPERATIONS AND MAINTENANCE SECTION

Tignish Sign Shop

Repairs to overhead door and replace windows

Alberton Courthouse

Replace roof shingles , eaves troughs and down spouts

Portage Visitor Information Centre

Repairs to Parking Lot

Installed new ventilation unit on roof

Wellington Forestry

Removed old steel water holding tank from basement

Borden Scale house

Installed new flagpole and base

Installed new sewer lift pump

Miscouche Museum

Repaired window sills and wood finish

acid cleaned boiler

Green Park and Yeo House

Replaced oil tanks with fibreglass tank

Ladyslipper Visitor Information Centre

Repaired Parking Lot

PEI Youth Centre

Removed bath tubs and replaced with shower stalls

Reasphalt of emergency lane

Repairs to windows and brick sills

Shaw Building

New concrete walks installed

New commissionaires booth constructed

Renovated mail room

Jones Building

New spillway in Pond

Office renovations

Government House

New posts and beams in basement

New concrete floor

Renovations to front entrance

Portable Classrooms

Relocated 2 mobiles to Spring Park

Renovations to mobiles

Customs House

Repointing top of North wall

Install security door on 2nd floor

Davis Law Courts

New flat roof over Judges office

Repairs to copper roof

Correctional Centre

New carpet, vinyl tile and painting in administration offices

New sidewalks at front entrance

Installed security screens on windows

New bathroom stalls

Province House

Construct security stand

New carpet, 3rd floor offices

Cavendish Visitors Information Centre

Painted exterior trim

Elmira Railway Station Museum

Reshingled roof of admissions and storage buildings

Built new deck platforms and wheel chair accessible walkway to train station

Morell Library

Replaced kneewells and roof structures

Installed new windows, skylights and door

Bridgetown Highways Depot

Reroofing portion of salt dome

Georgetown Court House

Installed new carpet in offices

Installed new sashes and screens on office windows

Installed vapour barrier and gravel in basement

Installed new windows in basement

Poole's Corner Visitor Information Centre

Driveway section repaved

Southern Kings and Queens Regional Services Centre

Installed outside security lighting

Installed emergency lighting

Installed fire alarm system

Montague Office Complex

Installed storm drain system

Orwell Corner Historical Village

Shingled roof of school house, community hall, shingle mill, forge, cow and horse barn

Retopped flue on forge

Installed submergible pump for community hall

Mount Stewart Highways Material Test Lab

Installed security fence

Wood Islands Visitor Information Centre

Rebuilt entrance tower

Installed windows

Georgetown Youth Centre

Reshingled main entrance roof

Installed new flower bed and replaced old trees

South Hampton Forestry

Installed new front entrance door

Installed security gate at main entrance and perimeter security fencing

TELECOMMUNICATIONS

-Relocated telecom services for the Supreme Court from existing facilities to Workers Compensation Board at Belvedere Ave., Lowden Building, Seamans Building, CP Prince Edward Hotel and installed Government owned fibre optic links between all of the above buildings except the Belvedere Ave. Location.

-Installed fibre optic links, supplied by Island Cable, Telecom and Data services at Maypoint Mall for the gun control office.

-Installed fibre optic links, supplied by Island Cable, at the Charlottetown Correctional Centre

-Defined the requirements for the Eastern School District Radio System and called tenders

-Converted the Food Technology Centre to the Centrex Platform

-Produced a new version of the combined Federal/Provincial Gov't directory

-Hosted a number of seminars for the School Boards, Health sector and Government Departments on Y2K telecom related topics

-Installed fibre optic facilities at Province House as well as called tenders for connections to the P.A.B. complex via 180 Richmond St Province House annex

-Provided Centrex and Data services in the new lab building in Mount Stewart

-Converted potato services Kensington to the Centrex platform

-Installed Centrex services and data wiring in the new Athena high School
Installed new front entrance door

PROPERTIES SECTION

The Properties Section consists of the following subsections:

Acquisitions and Disposals
Land Administration
Special Projects

The Properties Section is responsible for staff administering the ownership and management of all provincial lands held by the Department of Transportation and Public Works. The work that the staff routinely carries out in the performance of their duties includes the following:

Acquisition and Disposals

-Provides appraisals of land for purchase, sale or leasing purposes.
-Oversees the management of the abandoned rail lands, works with the

Department of Fisheries and Tourism regarding lands developed as part of the Confederation Trail.

-Negotiates agreements related to the acquisition, sale and/or leasing of land on behalf of the Province.

-Negotiates agreements related to lands required for highway purposes.

-Responds to inquiries and requests received regarding the use of provincial lands.

Land Administration

-Investigates various legal interests and/or carries out abstracts of title related to lands.

-Prepares legal documents related to land administration and when required, legal advice is provided by the Legal Services Division - Department of Community Services & Attorney General.

-Administers the billing and collection of rents as it relates to the rental of provincial lands.

-Maintains a comprehensive file system (both hard copy and computerized) of all provincial lands.

Special Projects

-Tender the sale of surplus provincial land;

-Maintains the provincial property maps which identify all provincial lands;

-Coordinates the review of provincial lands by the Provincial Land Review Subcommittee.

-Tender the sale and/or removal of surplus buildings;

-Some of the more notable accomplishments this year were:

-Completed the review of provincial lands through the Provincial Land Review Sub- Committee.

-Managing Department Agreements regarding the management of essential

provincial lands are in place.

-Land acquisition for Cornwall By-Pass Project.

-Transfer of land to the Montague Waterfront Development Corporation.

-Transfer land to Enterprise P.E.I. for golf course at Brudenell.

-Transfer of the Bunbury Nursery property to the Town of Stratford.

-Acquisition of land for new West Royalty School

-Negotiations and discussions are underway with Federal Government - Parks Canada respecting the transfer of provincial lands at Greenwich.

-Donation of land by Newsco Investment Ltd. to the Province at Little Pond.

-Securing land arrangements at Cabot Park for the Scouts Canada Jamboree 2001.

Resource Land Acquisition Fund

This fund is designed to make available some of the dollars realized from the sale of surplus resource lands toward the acquisition of required resource lands up to an amount of $250,000.00. The activity of the Resource Land Acquisition Fund for 1998/99 fiscal year is as follows:

Sales:	$178,000.00
Acquisitions	$234,300.00
Net Proceeds	- $ 56,300.00

CAPITAL PROJECTS DIVISION

Chief Engineer's Report

The Capital Projects Division is responsible for the construction of the Province's highway system and major public building construction.

The Highway Construction Section of the Capital Projects Division is divided into three regions each headed under the direction of a regional engineer. These regions are the Western Region, Central Region and the Eastern Region and have offices located in Summerside, Charlottetown and Georgetown. The Division also operates a field office in Alma and its sign shop is located in Tignish. The various activities of the sections that fall under the Highway Construction Division are outlined in the following pages. The Building Construction section is centred in Charlottetown.

Capital highway expenditures amounted to 25.6 million dollars in 1998-99, while building construction expenditures amounted to 3.3 million dollars.

This was the third year of the Atlantic Freight Rate Transition Agreement. This five year agreement enables the Province to use funds received from the Federal Government to direct to the primary highway system to mitigate the impact of increased truck traffic resulting from the abandonment of the railway system.

Detailed information relating to this program and the various other activities of this Division follows.

ATLANTIC FREIGHT RATE TRANSITION PROGRAM

Baldwin's Road

Subgrade & Pave	
Tender Opened April 8, 1997	
Chapman Bros Construction	$113,590.00
Island Construction	$125,822.00

Awarded to Chapman Bros Construction

48 Road - Elliotvale

Subgrade & Pave	
Tender Opened April 8, 1998	
Chapman Bros Construction	$94,810.28
Island Construction	$105,926.90

Awarded to Chapman Bros Construction

Wood Islands Road

Subgrade & Pave	
Tender Opened April 8, 1998	
Chapman Bros Construction	$468,303.00
Kings Co Construction	$491,267.25
Birt & MacKay Backhoeing	$525,878.55
Island Coastal Services	$541,148.00
Curran & Briggs Limited	$668,434.95

Awarded to Chapman Bros Construction

Cascumpec Road East Rte #12

Pave

Tender Opened April 8, 1998

Chapman Bros Construction	$185,907.76
H. I. Construction	$201,112.00
Curran & Briggs Limited	$214,179.38

Awarded to Chapman Bros Construction

Cascumpec Road West Rte #12

Pave

Tender Opened April 8, 1998

Chapman Bros Construction	$196,679.95
H. I. Construction	$209,906.30
Curran & Briggs Limited	$218,353.33

Awarded to Chapman Bros Construction

Ross's Corner - Bedeque Corner

Pave

Tender Opened April 8, 1998

Curran & Briggs Limited	$192,135.10

Awarded to Curran & Briggs Limited

Coleman Bridge West

Subgrade & Pave

Tender Opened April 8, 1998

H. I. Construction	$80,680.00

Awarded to H. I. Construction

Western Road - Richmond - Northam

Subgrade & Pave

Tender Opened April 8, 1998

Curran & Briggs Limited	$769,773.15
Chapman Bros Construction	$776,450.00

Awarded to Curran & Briggs Limited

Irishtown Road

Subgrade & Pave

Tender Opened April 8, 1998

Curran & Briggs Limited	$220,426.30

Awarded to Curran & Briggs Limited

Stratford Road - Paving

Grade & Pave

Tender Opened April 8, 1998

Island Coastal Services	$175,165.00
Island Construction	$176,690.00

Awarded to Island Coastal Services

St. Mary's Road

Subgrade & Pave

Tender Opened April 8, 1998

Chapman Bros Construction	$250,394.90
Island Excavators	$260,555.31
Curran & Briggs Limited	$278,110.30

Awarded to Chapman Bros Construction

TCH Lower Newton to Eldon

Cold Plane & Pave	
Tender Opened April 8, 1998	
Chapman Bros Construction	$248,598.00
Island Construction	$265,437.80
Curran & Briggs Limited	$296,562.30

Awarded to Chapman Bros Construction

TCH Peters Road to New Haven

Cold Plane & Pave	
Tender Opened April 8, 1998	
Chapman Bros Construction	$160,095.00
Island Construction	$161,579.50
Dennis Construction	$234,720.80

Awarded to Chapman Bros Construction

Stratford Road - Storm Sewer

Storm Sewer	
Tender Opened April 8, 1998	
Island Excavators	$87,264.00
W. M. & M Ltd	$107,306.00
Birt & MacKay Backhoeing	$108,182.20
Island Coastal Services	$130,968.00

Awarded to Island Excavators

Colville Road

Subgrade & Pave	
Tender Opened April 8, 1998	
Chapman Bros Construction	$179,452.20
Island Excavators 1985 Ltd	$197,502.96

Awarded to Chapman Bros Construction

Fort Augustus Road

Pave

Tender Opened May 13, 1998

Chapman Bros Construction	$69,240.50
Island Construction	$80,403.00

Awarded to Chapman Bros Construction

Murray Harbour Road

Subgrade & Pave

Tender Opened May 13, 1998

Chapman Bros Construction	$185,899.50
Island Construction	$192,711.30

Awarded to Chapman Bros Construction

Rte #15 to National Park

Pave

Tender Opened May 13, 1998

Dennis Construction	$174,150.00
Chapman Bros construction	$181,959.50
Island Construction	$185,133.50

Awarded to Dennis Construction

Selkirk Road

Subgrade & Pave

Tender Opened May 13, 1998

Chapman Bros Construction	$279,305.35
Kings County Construction	$290,386.80

Awarded to Chapman Bros Construction

Kingston Road

Subgrade & Pave	
Tender Opened May 13, 1998	
Chapman Bros Construction	$179,669.70
Island Excavators	$185,447.25
Island Construction	$187,828.75
Dennis Construction	$187,903.35

Awarded to Chapman Bros Construction

Seven Mile Bay Road

Subgrade & Pave	
Tender Opened May 13, 1998	
Curran & Briggs Limited	$235,156.73
Island Excavators	$236,897.05
AJL Limited	$238,677.50
Dennis Construction	$272,642.50

Awarded to Curran & Briggs Limited

Montague Road

Subgrade & Pave	
Tender Opened May 15, 1998	
Island Construction	$593,294.90
Island Coastal Services	$611,159.10
Chapman Bros Construction	$650,038.90
Birt & MacKay Backhoeing	$695,215.40

Awarded to Island Construction

Souris Line Road

Subgrade & Pave	
Tender Opened June 30, 1998	
Island Coastal Services	$163,139.00
Chapman Bros Construction	$180,688.30

Awarded to Island Coastal Services

Rustico Road

Pave	
Tender Opened June 30, 1998	
Dennis Construction	$69,243.60
Island Construction	$71,237.50

Awarded to Dennis Construction

West Newton Road

Pave	
Tender Opened June 30, 1998	
Dennis Construction	$142,277.00
Curran & Briggs Limited	$144,540.93

Awarded to Dennis Construction

Brae to Milo - Rte #14

Pave	
Tender Opened June 30, 1998	
H. I. Construction	$186,762.50
Chapman Bros Construction	$206,114.00
Curran & Briggs Limited	$226,634.50

Awarded to H. I. Construction

Church St - Alberton

Pave

Tender Opened June 30, 1998

H. I. Construction	$267,439.00

Awarded to H. I. Construction

Profit's Corner Intersection

Subgrade & Pave

Tender Opened June 30, 1998

H. I. Construction	$166,319.00

Awarded to H. I. Construction

Perimeter Highway Overpass

Subgrade & Structure

Tender Opened July 15, 1998

Island Coastal Services	$1,989,685.00
Highfield Construction	$2,243,215.00
Curran & Briggs Limited	$2,528,138.91

Awarded to Island Coastal Services

Seven Mile Road - Bridgetown

Subgrade & Pave

Tender Opened August 6, 1998

Chapman Bros Construction	$197,139.50
Island Construction	$203,060.50
Dennis Construction	$207,798.00
Island Coastal Services	$217,015.00

Awarded to Chapman Bros Construction

Cardigan Road (Rte 321 & Rte 342)

Subgrade & Pave

Tender Opened August 6, 1998

Island Construction	$362,970.00
Dennis Construction	$384,300.00
Island Coastal Services	$400,102.00
Chapman Bros Construction	$434,041.40

Awarded to Island Construction

St. Peters Road (Dingwells Mills to Whitty Road)

Subgrade & Pave

Tender Opened August 6, 1998

Chapman Bros Construction	$330,560.00
Dennis Construction	$333,800.50
Island Construction	$370,538.25
Island Coastal Services	$374,157.50

Awarded to Chapman Bros Construction

Cornwall Intersection

Subgrade & Pave

Tender Opened August 25, 1998

Birt & MacKay Backhoeing	$384,043.92
Curran & Briggs Limited	$390,658.24
Island Coastal Services	$392,258.00

Awarded to Birt & MacKay Backhoeing

SCHEDULE OF PROVINCIAL TENDERS

Point Pleasant Road

Pave

Tender Opened April 8, 1998

Chapman Bros Construction	$111,722.00
Island Construction	$137,498.50

Awarded to Chapman Bros Construction

Locke Road

Pave

Tender Opened April 8, 1998

H. I. Construction	$199,668.00

Awarded to Chapman Bros Construction

Abram's Village

Pave

Tender Opened April 8, 1998

Curran & Briggs Limited	$151,283.80
AJL Limited	$164,302.50

Awarded to Curran & Briggs Limited

Spring Valley Road

Pave

Tender Opened April 8, 1998

Curran & Briggs Limited	$100,456.50

Awarded to Curran & Briggs Limited

Chaisson Road

Subgrade & Pave

Tender Opened May 13, 1998

H. I. Construction	$70,655.50

Awarded to H. I. Construction

Harper Road

Pave

Tender Opened May 13, 1998

H. I. Construction	$185,662.50

Awarded to H. I. Construction

French River Road

Subgrade & Pave

Tender Opened May 13, 1998

Curran & Briggs Limited	$177,170.75
Chapman Bros Construction	$177,497.50
Dennis Construction	$179,621.50

Awarded to Curran & Briggs Limited

Emerald Road

Subgrade & Pave

Tender Opened May 13, 1998

Dennis Construction	$142,805.00
Chapman Bros Construction	$146,119.50
Curran & Briggs Limited	$146,367.05

Awarded to Dennis Construction

Lower New Annan Road

Subgrade & Pave

Tender Opened May 13, 1998

Curran & Briggs Limited	$346,414.20
Dennis Construction	$373,360.00

Awarded to Curran & Briggs Limited

French Village Road

Subgrade & Pave

Tender Opened June 30, 1998

Island Construction	$125,952.00
Island Coastal Services	$129,690.50

Awarded to Island Construction

Gladstone Road

Subgrade & Pave

Tender Opened June 30, 1998

Kings Co Construction	$219,397.50
Island Coastal Services	$220,172.50
Chapman Bros Construction	$230,272.50

Awarded to Kings Co Construction

Dalton Avenue

Subgrade & Pave

Tender Opened June 30, 1998

H. I. Construction	$68,865.00

Awarded to H. I. Construction

Cavendish Road

Sub-grade & Pave

Tender Opened June 30, 1998

Island Coastal Services	$207,037.40
Island Excavators "1985" Ltd	$212,443.90
Curran & Briggs Limited	$227,746.50
Chapman Bros Limited	$244,920.00

Awarded to Island Coastal Services

East Point Road

Pave

Tender Opened August 6, 1998

Chapman Bros Construction	$199,277.00
Dennis Construction	$203,384.00
Island Construction	$230,654.00

Awarded to Chapman Bros Construction

Beach Point Road

Pave

Tender Opened August 18, 1998

Chapman Bros Construction	$149,345.00
Island Construction	$160,933.75

Awarded to Chapman Bros Construction

MAINTENANCE OF HIGHWAY LIGHTING

Albany Interchange

Maintenance

Tender Opened March 20, 1998

Chas Stewart Electric	$2,790.00
J. A. Electric	$3,200.00
Don MacLeod Electric	$4,006.00

Awarded to Chas Stewart Electric

Kings County - Various Locations

Maintenance

Tender Opened March 20, 1998

Palmer Electric	$4,130.00
AMAC Electric	$4,245.00
Don MacLeod Electric	$4,818.00
Griffin Electric	$8,930.00

Awarded to Palmer Electric

Queens County - Various Locations

Maintenance

Tender Opened March 20, 1998

Chas Stewart Electric	$9,905.00
Don MacLeod Electric	$11,096.00
AMAC Electric	$10,680.00
Palmer Electric	$16,621.00

Awarded to Chas Stewart Electric

Prince County - Various Locations

Maintenance

Tender Opened March 20, 1998

J. A. Electric	$5,655.00
Don MacLeod Electric	$6,766.00

Awarded to J. A. Electric

Hillsborough Bridge

Maintenance

Tender Opened March 20, 1998

Chas Stewart Electric	$2,835.00
Don MacLeod Electric	$2,836.00
Palmer Electric	$2,908.00
Hansen Electric	$3,235.00
Earl Griffin Electric	$4,600.00
AMAC Electric	$7,195.00

Awarded to Chas Stewart Electric

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1998/1999 Provincial Recap Report

Prince County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Ballard.
District 19								
Anderson Road	0.10							
Hasil Road - Borden			0.45		0.45	0.45	0.45	0.00
Sub-total	0.10	0.00	0.45	0.00	0.45	0.45	0.45	0.00
District 20								
Spring Valley				1.30		1.30	1.30	
Lower New Annan Road		0.80		3.10	0.80	3.90	3.90	
Sub-total	0.00	0.80	0.00	4.40	0.80	5.20	5.20	0.00
District 21								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 22								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 23								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 24								
Abram's Village			0.40	1.10	0.40	1.50	0.40	
Kinsman Road	0.14	0.14			0.14	0.14		
Sub-total	0.14	0.14	0.40	1.10	0.54	1.64	0.40	0.00
District 25								
Locke Road	1.40	1.40			1.40	1.40		
Sub-total	1.40	1.40	0.00	0.00	1.40	1.40	0.00	0.00
District 26								
Huntley Road	Carry	Over	and	Repairs				

1998/1999 Provincial Recap Report

Prince County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed.
District 19								
Anderson Road	0.10							
Haul Road - Borden			0.45		0.45	0.45	0.45	0.00
Sub-total	0.10	0.00	0.45	0.00	0.45	0.45	0.45	0.00
District 20								
Spring Valley				1.30		1.30	1.30	
Lower New Annan Road		0.80		3.10	0.80	3.90	3.90	
Sub-total	0.00	0.80	0.00	4.40	0.80	5.20	5.20	0.00
District 21								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 22								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 23								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 24								
Abram's Village			0.40	1.10	0.40	1.50	0.40	
Kinsman Road	0.14	0.14			0.14	0.14		
Sub-total	0.14	0.14	0.40	1.10	0.54	1.64	0.40	0.00
District 25								
Locke Road	1.40	1.40			1.40	1.40		
Sub-total	1.40	1.40	0.00	0.00	1.40	1.40	0.00	0.00
District 26								
Huntley Road	Carry	Over	and	Repairs				

Mill River Resurface						0.70	0.70	
Sub-total	0.00	0.00	0.00	0.00	0.00	0.70	0.70	0.00
District 27								
Church Street North	Carry	Over	and	repairs				
Dalton Avenue - Shoulder	1.40	1.40			1.40	1.40	1.40	
Chaisson Road	0.44	0.44			0.44	0.44	0.44	
Harper Road				2.00		2.00	2.00	
Sub-total	1.84	1.84	0.00	2.00	1.84	3.84	3.84	0.00
Prince County Totals	3.48	4.18	0.85	7.50	5.03	13.23	10.59	0.00

1998/1999 Provincial Recap Report

Queens County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 6								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 7								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 8								
French Village Road		1.00			1.00	1.00	1.00	
Sub-total	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00
District 9								
Hardy Mill Road - Rte 220	1.60				1.60	1.60	1.60	
Sub-total	1.60	0.00	0.00	0.00	1.60	1.60	1.60	0.00
District 10								
Norwood Intersection		Side	Walk	Installation				
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 13								
Government Complex Parking		Excavate	& Gravel	Parking	Area			
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 16								

						0.70	0.70	
	0.00	0.00	0.00	0.00	0.00	0.70	0.70	0.00
	Carry	Over	and	repairs				
	1.40	1.40			1.40	1.40	1.40	
	0.44	0.44			0.44	0.44	0.44	
				2.00		2.00	2.00	
	1.84	1.84	0.00	2.00	1.84	3.84	3.84	0.00
	3.48	4.18	0.85	7.50	5.03	13.23	10.59	0.00

1998/1999 Provincial Recap Report

Queens County - By District

(Road Lengths in Kilometres)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]								
[illegible]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[illegible]								
[illegible]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[illegible]								
[illegible]		1.00			1.00	1.00	1.00	
[illegible]	0.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00
[illegible]								
[illegible]	1.60				1.60	1.60	1.60	
[illegible]	1.60	0.00	0.00	0.00	1.60	1.60	1.60	0.00
[illegible]								
[illegible]		Side	Walk	Installation				
[illegible]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[illegible]								
[illegible]		Excavate	& Gravel	Parking	Area			
[illegible]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[illegible]								

[illegible]	0.10	0.10			0.10	2.00		
[illegible]		Storm	Sewer					
Sub-total	0.10	0.10	0.00	0.00	0.10	2.00	0.00	0.00
District 17								
Emerald Road		1.00			1.00	1.00	1.00	
Cameron Road - 97						2.00		
Sub-total	0.00	1.00	0.00	0.00	1.00	3.00	1.00	0.00
District 18								
French River Road		1.25			1.25	1.25	1.25	
Sub-total	0.00	1.25	0.00	0.00	1.25	1.25	1.25	0.00
Queens County Totals	1.70	3.35	0.00	0.00	4.95	8.85	4.85	0.00

1998/1999 Provincial Recap Report

Kings County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 1								
Chaple Street - Souris		Clean up						
Main Street Souris Storm Sewer	0.15							
Knights Avenue - Souris	0.03			0.03		0.03	0.03	
East Point Road				3.00		3.00	3.00	
Sub-total	0.18	0.00	0.00	3.03	0.00	3.03	3.03	0.00
District 2								
Crowbush Main Roadway	0.65	0.70						
Sub-total	0.65	0.70	0.00	0.00	0.00	0.00	0.00	0.00
District 3								
Georgetown Shoulder Widening	0.70	0.70			0.70	0.70	0.70	
Sub-total	0.70	0.70	0.00	0.00	0.70	0.70	0.70	0.00
District 4								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 5								
Point Pleasant Road				2.00	2.00	2.00	2.00	
Gladstone Road	1.90	1.90			1.90	1.90	1.90	
Sub-total	1.90	1.90	0.00	2.00	3.90	3.90	3.90	0.00
Kings County Totals	3.43	3.30	0.00	5.03	4.60	7.63	7.63	0.00

South Shore Road - 97	0.10	0.10			0.10	2.00		
Westwood School Storm Sewer		Storm	Sewer					
Sub-total	0.10	0.10	0.00	0.00	0.10	2.00	0.00	0.00
District 17								
Emerald Road		1.00			1.00	1.00	1.00	
Cameron Road - 97						2.00		
Sub-total	0.00	1.00	0.00	0.00	1.00	3.00	1.00	0.00
District 18								
French River Road		1.25			1.25	1.25	1.25	
Sub-total	0.00	1.25	0.00	0.00	1.25	1.25	1.25	0.00
Queens County Totals	1.70	3.35	0.00	0.00	4.95	8.85	4.85	0.00

1998/1999 Provincial Recap Report

Kings County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 1								
Chaple Street - Souris		Clean up						
Main Street Souris Storm Sewer	0.15							
Knights Avenue - Souris	0.03			0.03		0.03	0.03	
East Point Road				3.00		3.00	3.00	
Sub-total	0.18	0.00	0.00	3.03	0.00	3.03	3.03	0.00
District 2								
Crowbush Main Roadway	0.65	0.70						
Sub-total	0.65	0.70	0.00	0.00	0.00	0.00	0.00	0.00
District 3								
Georgetown Shoulder Widening	0.70	0.70			0.70	0.70	0.70	
Sub-total	0.70	0.70	0.00	0.00	0.70	0.70	0.70	0.00
District 4								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 5								
Point Pleasant Road				2.00	2.00	2.00	2.00	
Gladstone Road	1.90	1.90			1.90	1.90	1.90	
Sub-total	1.90	1.90	0.00	2.00	3.90	3.90	3.90	0.00
Kings County Totals	3.43	3.30	0.00	5.03	4.60	7.63	7.63	0.00

1998/1999 Fixed Link Report

Kings County - By District

(Road Length in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 1								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 2								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 3								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 4								
Montague Main Street South-97						1.00		
Sub-total	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
District 5								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kings County Totals	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

1998/1999 Atlantic Freight Rate Transition Program Report

Prince County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 19								
West Newton				2.20		2.20	2.20	
Seven Mile Bay Road		0.40		2.20	0.40	2.40	2.40	
Red Bridge						0.10		
Locke Shore Road - Widen		0.50			0.50	0.50	0.50	
Ross's Corner - Bedeque Corner				1.70		1.70	1.70	
Sub-total	0.00	0.90	0.00	5.90	0.90	6.90	6.80	0.00
District 20								
Hamilton Loop		0.50		1.00	0.50	1.50	1.50	
Irishtown Road		1.40			1.40	1.50	1.40	
Sub-total	0.00	1.90	0.00	1.00	1.90	3.00	2.90	0.00
District 21								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 22								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 23								
Portage to West Devon				0.20		0.20		
Richmond - Northam - Widen	3.00	3.00		3.00	3.00	3.00	3.00	
Tyne Valley Arch	0.50	0.50			0.50	0.50	0.50	

1998/1999 Fixed Link Report

Kings County - By District

(Road Length in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 1								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 2								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 3								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 4								
Montague Main Street South-37						1.00		
Sub-total	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
District 5								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kings County Totals	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

1998/1999 Atlantic Freight Rate Transition Program Report

Prince County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Road	To be Sealed
District 19								
West Newton				2.20		2.20	2.20	
Seven Mile Bay Road		0.40		2.20	0.40	2.40	2.40	
Red Bridge						0.10		
Locke Shore Road - Widen		0.50			0.50	0.50	0.50	
Rose's Corner - Bedeque Corner				1.70		1.70	1.70	
Sub-total	0.00	0.90	0.00	5.90	0.90	6.90	6.80	0.00
District 20								
Hamilton Loop		0.50		1.00	0.50	1.50	1.50	
Irishtown Road		1.40			1.40	1.50	1.40	
Sub-total	0.00	1.90	0.00	1.00	1.90	3.00	2.90	0.00
District 21								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 22								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 23								
Portage to West Devon				0.20		0.20		
Richmond - Northam - Widen	3.00	3.00		3.00	3.00	3.00	3.00	
Tyne Valley Arch	0.50	0.50			0.50	0.50	0.50	

Rte #12 Cascumpec Road East				2.22		2.22		
Sub-total	3.50	3.50	0.00	5.42	3.50	5.92	3.50	0.00
District 26								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 25								
Brae and Area Rte #14				2.80		2.80	2.80	
Coleman Bridge West				0.30		0.30	0.30	
Sub-total	0.00	0.00	0.00	3.10	0.00	3.10	3.10	0.00
District 24								
Church Street - Alberton				1.30		1.30	1.30	
Rte #12 Cascumpec Road West				2.82		2.82	2.82	
Sub-total	0.00	0.00	0.00	4.12	0.00	4.12	4.12	0.00
District 27								
Profits Corner Intersection	0.25	0.25	0.25		0.25	0.25	0.25	
Sub-total	0.25	0.25	0.25	0.00	0.25	0.25	0.25	0.00
Prince County Totals	3.75	6.55	0.25	19.54	6.55	23.29	20.67	0.00

Atlantic Freight Rate Transition Program Report

Queens County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 6								
T.C.H. Lower Newton - Elden				2.70		2.70	2.70	
Wood Islands Intersection		Grading	Land scaping	Seed				
Selkirk Road	2.52	2.52			2.52	2.52	2.52	
Murray Harbour Road		1.58			1.58	1.58	1.58	
Sub-total	2.52	4.10	0.00	2.70	4.10	6.80	6.80	0.00
District 7								
Stratford Road - Isl Coastal '97						1.85		
Stratford Road - Storm Sewer	0.90		Storm	Sewer				
Stratford Road - Isl Coastal		0.90			0.90	0.90	0.90	
Sub-total	0.90	0.90	0.00	0.00	0.90	2.75	0.90	0.00
District 8								
Fort Augustus Road				1.10		1.10	1.10	
Sub-total	0.00	0.00	0.00	1.10	0.00	1.10	1.10	0.00
District 10								
Riverside Drive Turning Lanes	1.05	1.05			1.05	1.05		1.05
Sub-total	1.05	1.05	0.00	0.00	1.05	1.05	0.00	1.05
District 1a								

Rte #12 Cascumpec Road East				2.22		2.22		
Sub-total	3.50	3.50	0.00	5.42	3.50	5.92	3.50	0.00
District 24								
Sub-total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
District 25								
Brae and Milo Rte #14				2.80		2.80	2.80	
Coleman Bridge West				0.30		0.30	0.30	
Sub-total	0.00	0.00	0.00	3.10	0.00	3.10	3.10	0.00
District 26								
Church Street - Alberton				1.30		1.30	1.30	
Rte #12 Cascumpec Road West				2.82		2.82	2.82	
Sub-total	0.00	0.00	0.00	4.12	0.00	4.12	4.12	0.00
District 27								
Profits Corner Intersection	0.25	0.25	0.25		0.25	0.25	0.25	
Sub-total	0.25	0.25	0.25	0.00	0.25	0.25	0.25	0.00
Prince County Totals	3.75	6.55	0.25	19.54	6.55	23.29	20.67	0.00

Atlantic Freight Rate Transition Program Report

Queens County - By District

(Road Lengths in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 6								
T.C.H. Lower Newton - Eldon				2.70		2.70	2.70	
Wood Islands Intersection		Grading	Land scaping	Seed				
Selkirk Road	2.52	2.52			2.52	2.52	2.52	
Murray Harbour Road		1.58			1.58	1.58	1.58	
Sub-total	2.52	4.10	0.00	2.70	4.10	6.80	6.80	0.00
District 7								
Stratford Road - Isl Const. 97						1.85		
Stratford Road - Storm Sewer	0.90		Storm	Sewer				
Stratford Road - Isl Coastal		0.90			0.90	0.90	0.90	
Sub-total	0.90	0.90	0.00	0.00	0.90	2.75	0.90	0.00
District 8								
Fort Augustus Road				1.10		1.10	1.10	
Sub-total	0.00	0.00	0.00	1.10	0.00	1.10	1.10	0.00
District 10								
Riverside Drive Turning Lanes	1.05	1.05			1.05	1.05		1.05
Sub-total	1.05	1.05	0.00	0.00	1.05	1.05	0.00	1.05
District 14								

Perimeter Drive Overpass Structure	0.70		1.78					
Sub-total	0.70	0.00	1.78	0.00	0.00	0.00	0.00	0.00
District 15								
Winsloe-Milton - 97						2.12		
Rustico Road				1.66		1.66	1.66	
T.C.H. - Thompson Drive	0.48	0.48		0.42	0.48	0.48	0.48	
Rte #15 National Park				2.37		2.37	2.37	
Poplar Island Intersection	0.43	0.43			0.43	0.43	0.43	
Ch'Town Perimeter Highway - 97	1.38							
Sub-total	2.29	0.91	0.00	4.45	0.91	7.06	4.94	0.00
District 16								
Cornwall Int Signalization					0.30	0.50	0.50	
Cornwall - Sub-division	0.15	0.15						
Colville Road		1.39			1.39	1.39	1.39	
Sub-total	0.15	1.54	0.00	0.00	1.69	1.89	1.89	
District 17								
Hunter River - 97		Repairs to	Bank &	Asphalt				

T.C.H. Peters Road - New Haven	Cold	Plane and	Pave			1.80		
Kingston Road		1.21			1.21	1.21	1.21	
Clyde River Culvert - 97	Cold	Plane and	Pave			0.20		
Sub-total	0.00	1.21	0.00	0.00	1.21	3.21	1.21	0.00
District 18								
Portage Road				2.00		2.00	2.00	
St. Mary's Road		2.37			2.37	2.37	2.37	
Sub-total	0.00	2.37	0.00	2.00	2.37	4.37	4.37	0.00
Queens County Totals	7.61	12.08	1.78	10.25	12.23	28.23	21.21	1.05

	0.70		1.78					
	0.70	0.00	1.78	0.00	0.00	0.00	0.00	0.00
						2.12		
				1.66		1.66	1.66	
	0.48	0.48		0.42	0.48	0.48	0.48	
				2.37		2.37	2.37	
	0.43	0.43			0.43	0.43	0.43	
	1.38							
Sub-total	2.29	0.91	0.00	4.45	0.91	7.06	4.94	0.00
					0.30	0.50	0.50	
	0.15	0.15						
		1.39			1.39	1.39	1.39	
Sub-total	0.15	1.54	0.00	0.00	1.69	1.89	1.89	
		Repairs to	Bank &	Asphalt				

	Cold	Plane and	Pave			1.80		
		1.21			1.21	1.21	1.21	
	Cold	Plane and	Pave			0.20		
	0.00	1.21	0.00	0.00	1.21	3.21	1.21	0.00
				2.00		2.00	2.00	
		2.37			2.37	2.37	2.37	
	0.00	2.37	0.00	2.00	2.37	4.37	4.37	0.00
	7.61	12.08	1.78	10.25	12.23	28.23	21.21	1.05

Atlantic Freight Rate Transition Program Report

Kings County - By District

(Road in Kilometres)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
District 1								
Dingwells Mills - Frankington - 97	1.00	1.00	1.00		1.00	1.80	1.80	
[illegible]	0.50	0.50	0.50		0.50	0.50	0.50	
Sub-total	1.50	1.50	1.50	0.00	1.50	2.30	2.30	
District 2								
Dingwalls Mills - Whitty Road	0.82	0.82	0.82		0.82	0.82	0.82	
Sub-total	0.82	0.82	0.82	0.00	0.82	0.82	0.82	0.00
District 3								
Albion Cross - 97						1.40		
Cardigan Road	1.30	1.30	1.30	1.00	2.30	2.30	2.30	
Poole's Corner Rd. 1	1.00	1.00	1.00		1.00		1.00	
48 Road at Elliotvale				1.87		1.87	1.87	
Baldwin Road		1.90	1.90		1.90	1.90	1.90	
Bridgetown				0.50	0.50		0.50	
Sub-total	2.30	4.20	4.20	3.37	5.70	7.47	7.57	0.00
District 4								
Montague Road - Bell's Hill	1.20	1.20	1.20		1.20		1.20	
Montague Main Street South - 97	0.60	0.60	0.60		0.60	0.60	0.60	
Sub-total	1.80	1.80	1..80	0.00	1.80	0.60	1.80	0.00

District 5								
Beach Point Road				2.10	2.10	2.10	2.10	
Wood Islands Road	2.78	2.78	2.78		2.78	2.78	2.78	
Sub-total	2.78	2.78	2.78	2.10	4.88	4.88	4.88	0.00
Kings County Totals	9.20	11.10	11.10	5.47	14.70	16.07	17.37	0.00

Atlantic Freight Rate Transition Program Report

Kings County - By District

(Road in Kilometres)

Road Name	Grade	Gravel Base	Fine Grade Gravel	Asphalt Levelling	Base	Seal	New Recon.	To be Sealed
District 1								
Dingwells Mills - Framington - 97	1.00	1.00	1.00		1.00	1.80	1.80	
Souris Line Road	0.50	0.50	0.50		0.50	0.50	0.50	
Sub-total	1.50	1.50	1.50	0.00	1.50	2.30	2.30	
District 2								
Dingwells Mills - Whitty Road	0.82	0.82	0.82		0.82	0.82	0.82	
Sub-total	0.82	0.82	0.82	0.00	0.82	0.82	0.82	0.00
District 3								
Albion Cross - 97						1.40		
Cardigan Road	1.30	1.30	1.30	1.00	2.30	2.30	2.30	
Pooles Corner Int. I	1.00	1.00	1.00		1.00		1.00	
48 Road at Elliotvale				1.87		1.87	1.87	
Baldwin Road		1.90	1.90		1.90	1.90	1.90	
Bridgetown				0.50	0.50		0.50	
Sub-total	2.30	4.20	4.20	3.37	5.70	7.47	7.57	0.00
District 4								
Montague Road - Bell's Hill	1.20	1.20	1.20		1.20		1.20	
Montague Main Street South - 97	0.60	0.60	0.60		0.60	0.60	0.60	
Sub-total	1.80	1.80	1..80	0.00	1.80	0.60	1.80	0.00

District 5								
Beach Point Road				2.10	2.10	2.10	2.10	
Wood Islands Road	2.78	2.78	2.78		2.78	2.78	2.78	
Sub-total	2.78	2.78	2.78	2.10	4.88	4.88	4.88	0.00
Kings County Totals	9.20	11.10	11.10	5.47	14.70	16.07	17.37	0.00

Western Region Traffic Operations

Highway Signage

During the past year, winter damage was minor and Halloween damage was relatively light.

The areas were covered by one permanent and one casual crew. The casual crew works out of the O'Leary area from May to November. The other crew works out of Summerside for the same period but covers the entire area from November to May.

The crews maintain and install directional signage, community signs, scenic route signs, street name signs, road name signs, warning signs, and regulatory signs.

The sign crews continue to erect, maintain and remove the H.I.S.S.(Highway Information Signage System) standards and signs.

The crews spend approximately three weeks in the spring to repair any standards/signage damaged throughout the winter. During the summer months the crews spend the summer erecting and maintaining new signs.

Highway Marking

The three counties continue to share the centerline striping truck and the ton truck which paints the shoulder lines.

The pre-marking crew continued to pre-mark new construction and maintenance for the centerline crew and intersection crew.

The intersection painting crew continued to paint yellow islands, white turning arrows, stop bars, and advance warnings under a regular maintenance program and new construction.

Highway Lighting

Maintenance of low pressure sodium lights in Prince County was carried out under two maintenance contracts. Maintenance of traffic signals, flashing becons, and other lighting was carried out as required. Five LPS were installed one at Route 2 and Route 120, one at Route 2 and Route 152, two at Route 2 and Locke Shore Road and one at Route 12 and Route 172.

Highway Access Control

Access reviews continued on lower class roads with twenty eight locations being examined Under the Roads Act Arterial Highway Regulations, twenty five applications were received from Prince County for review. for safety and access conditions.

Central Region Traffic Operations

The Traffic Operations section is responsible for the installation and maintenance of highway signs, highway markings, highway lighting, traffic signals and the Highway Information Signage System. The section is also responsible for access control collection of fees for entrance way installations and construction zone safety.

Highway Signage

One full time and one part time sign crew erected and maintained signage throughout the region. In addition to this, crews continued to erect and maintain detours for highway construction sites.

Highway Markings

The highway markings in the Region are placed by Departmental crews. These crews place markings for centreline, edge line, lane lines, as well as turning arrows and channelization islands.

Centreline markings were applied to approximately **650** kilometres of paved highways and **50** kilometres of new construction. Shoulder lines or edge lines were painted on approximately **160** kilometres of highway.

Highway Lighting

Highway lighting is maintained under two maintenance contracts: Queens County and Hillsborough Bridge. Maintenance of traffic signals, flashing beacons, etc., was carried out as required.

New traffic signals were installed at Cornwall, Island Market (North River), Thompson Drive and Southgate Lane.

Flashing beacons or heavy barricades, as well as portable flashing arrow boards, were used at several locations for bridge construction, road construction and detours.

Highway Information Signage System

All highway information signs were erected and maintained by the Traffic Operations Section. One day per week was required of the sign crews in May, June, and July to keep up with the demand of this program.

There were approximately **200** new signs installed this year. The program has approximately **525** standards and **1,025** signs in the region. There continues to be a high turnover of businesses in the program. Signs that are no longer required are stripped and re-used.

Access Control

Access controls for subdivisions or building permits were reviewed at approximately **60** locations. Access to arterial highways requires an Entrance Way Permit under the Roads Act Arterial Regulations. Approximately **15** of these applications were handled this year. The Department also responded to numerous inquiries on these regulations.

Construction Safety Inspection

Random inspection of construction and maintenance projects is carried out with deficiencies noted to the Foremen. The Department continues to finance the course for signallers at Holland College. This contributes to providing improvements to traffic control and safety at work sites within the highway right-of-way.

Eastern Region Traffic Operations

Highway Signage

Installation and maintenance of highway signs were carried out by one full-time sign crew based out of Souris and one part-time sign crew based out of Charlottetown. In addition to highway signs, the crews were responsible for the installation and

maintenance of the Highway Information Signage System, as well as signing detours and some construction signage. Due to the mild winter, snow plow damage was light. The problem with Halloween damage appears to have diminished over the years, although there are instances of isolated vandalism and theft of signs.

Highway Information Signs

Administration of the Highway Information Signage System was carried out by the Department of Economic Development and Tourism. Sign orders were passed on to the provincial sign shop in Tignish and after manufacture, were installed by the regional sign crews. There were 64 new signs manufactured for new clients and 64 signs that were damaged or faded were replaced. There were 36 signs removed for clients who are no longer in the program. There were 350 old sign blanks chemically stripped for re-use.

Highway Marking

Centerline marking was applied to approximately 960 km of existing highway by the centerline striping machine based out of Charlottetown. In addition to this, 41 kilometres of new construction was pre-marked and painted. Shoulder lines and lane lines were applied to 146 kilometres of arterial highway.

Permanent arrows were applied to intersections in Stratford and Eldon as part of capitol projects. Intersections in the region were re-painted by the intersection marking crew, based out of Kings County.

Highway Lighting

Maintenance of highway lighting was carried out by Chas. Stewart Electric in Queens County and by Palmer Electric in Kings County.

Area Lighting at the intersection of Routes 3 and 4, Pooles Corner, was improved with the installation of 14- 180 watt Low Pressure sodium lights

Flashing beacons and lighted barricades were used for detours and in advance of some major highway construction projects.

Access Control

There were six applications for access to arterial highways that were evaluated for entrance way permits. In addition to this, 14 requests for sight distance evaluations were received and from Provincial Affairs and responded to. There were 75 work orders written for new entrance ways and widening existing entrance ways.

MATERIALS AND SOILS SECTION 1998

A total of nine plants were engaged in the production of asphaltic concrete. Drum type mixers made up 90 percent of the asphalt plants in the Province.

Asphalt

Approximately 260,000 tonnes of asphaltic concrete was produced in 1998. This included binder course, surface course, levelling course and maintenance mixes. A price adjusted, end result specification was applied to hot mix compaction on specified contracts.

Daily inspection was carried out at each of the nine plants to control the quality of the mix produced. A total of 818 asphalt mix samples were collected and

analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every 318 tonnes of asphalt mix produced. A total of 816 cores were removed from the contracts to determine compliance with compaction and thickness requirements.

The use of local aggregates was limited to blend sands. The type and amount of testing carried out to ensure the quality of the aggregates is noted below.

Test	No. of Tests
Sieve Analysis	1348
Specific Gravity	122
Soundness	30
Abrasion	11
Petrographic Number	9
Crush Count	9
Sand Equivalent	16
Flat & Elongated Particles	9

In addition 23 Marshall and 6 Superpave mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents.

Asphalt cement specification compliance testing was performed on 120/150, 150/200 and 200/300 penetration grade asphalt cement. A total of 53 samples were taken.

Test	No. of Tests
Specific Gravity	51
Kinematic Viscosity	40
Penetration	49

ENGINEERING SERVICES SECTION

The Engineering Service Section is responsible for the following activities:

- Mapping and Geographic Information System (GIS-T)
- Surveys
- Subdivision Development
- Departmental Records Management
- General Provisions & Contract Specifications for Highway Construction
- Weigh Scale Contract Quantities
- Policy & Planning

In addition, the Engineering Services Section provided considerable research, data analysis, applicable expertise, and graphic presentation capabilities to other sections of the Department and other Departments on Highway Finance, historical infrastructure records, highway access, weight regulations, accident review, commercial development, and various designs.

Particular emphasis has been placed on the truck trip movements originating from resource industries. This has been concentrated on the movement of potatoes from the fields to secondary storage, primary storage, processing and market. This work has required new GIS software, the provision of satellite imagery from the Department of Agriculture & Forestry, and frequent discussions with many farmers and potato shippers. This information will result in data showing the various truck trips on the secondary roads, enabling better planning to accommodate the industry and appropriate design levels to suit the demands of the truck traffic.

MAPPING AND GEOGRAPHIC INFORMATION SYSTEM (GIS-T)

In 1998, the Engineering Services Section purchased three ArcView GIS software licenses and contracted ESRI, the developers of ArcView, to restructure the MicroStation CADD base map into ArcView GIS data layers and attribute tables. This process allowed the various elements of the map to be uniquely identified and indexed for database connection. In October 1998, a number of staff undertook a three-day training exercise offered by ESRI in Charlottetown to introduce themselves to the processes and possibilities of ArcView.

Since initiating GIS-T and after some practising and experimenting, various themes with their associated data were incorporated into the GIS project. These included, Road Classifications, Traffic Counts, Weight Restrictions, Survey Monuments, Road Searches, Aggregate Pits, Potato Warehouses and Bridges. In a smaller test area, Government Buildings, Road Surface Type and Access Regulations are being developed. In addition, ArcView is currently being used to visualize and analysis data from a potato truck traffic study and a highway access study.

The MicroStation base map is still being updated and various products continue to be derived from it. The Road Classification Atlas was revised and reprinted with the inclusion of road surface types and street mapping for Charlottetown and Summerside. Three additional atlases, Survey Monument Location, Environmental Management and Road Search Index were initiated. The MicroStation base map was also used to prepare a series of school board election maps, an animation of historical highway paving, info PEI Internet map layers and various thematic maps for digital presentations.

SURVEYS

This section provides counsel on specific legal and technical aspects as they relate to land surveying in Prince Edward Island. It maintains a close working relationship with various Government groups including the Planning & Design Section, Risk Management & Insurance Section, Taxation & Property Records Division, the Legal Services Division of the Department of Provincial Affairs and Attorney General, as well as lawyers, land surveyors and engineering professionals throughout the province and abroad. This section fulfills the following essential functions:

- Provide timely, comprehensive, & efficient land surveying and engineering surveying services on public roads and provincial lands;
- Collect evidence and provide counsel on the legal nature (public or private) of particular roads, right-of-ways, and public easements in this province;
- Maintenance and management of our provincial control survey networks;
- Maintain a library of documentary evidence and case law related to land surveying in Prince Edward Island and other provinces;

- Coordinate training sessions & develop surveying standards for engineering and legal surveying crews within the Department, and coordinate and implement quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to exceed high engineering design standards;
- Provide a mechanism for the equitable resolution of boundary uncertainties.

To complete these various tasks, the section is composed of a senior survey technician, survey/research technician and two survey crews consisting of one crew chief and two technicians all under the guidance of the Provincial Chief Surveyor. The group is specially trained in the collection and evaluation of boundary evidence and common law concepts as they relate to land surveying.

Several surveying projects completed this year include the retracement of road boundaries in Poole's Corner, Milton, Seven Mile Bay and other communities and the entire perimeter highway corridor from Warren Grove to Clyde River. These surveys identified existing road boundaries to ensure that all road construction and improvements occurred well within these boundaries, and identified additional lands to be purchased as required. Other larger surveys included lands in Cardigan, Seven Mile Road, Murray River, Summerside (new health centre), West Royalty (new school site), Mount Herbert (new health facility) and former CNR rail line corridor boundaries in Brackley, Dunstaffnage and other communities.

This section also studied various uncertain public roads, and was involved in addressing such issues as alternatives for land registry reform and private road

maintenance. Data on the Province's High Precision Network is now available and will be officially published this year. This section is also responsible for the administration of various statues relating to land contained in such legislation as the Land Surveys Act, the Land Surveyors Act, the Condominium Act, The Oil and Natural Gas Act, the Mineral Resources Act and the Roads Act.

SUBDIVISION DEVELOPMENT

Subdivision development involved dealing with the past, current, or future development of more than 30 subdivisions in various phases. Construction was active on 15 phases of these with either grading or paving taking place. Development continued to take place with the developers hiring the engineers and contractors to do the work and deeding the road to the province with the necessary security to insure that the work was completed satisfactorily. The primary areas for development were Stratford, Cornwall, and North Rustico.

DEPARTMENTAL RECORDS MANAGEMENT

The Engineering Services Section, under the direction of the Records Manager, maintains responsibility for the operation and development of the departmental Records Management Program and ensuring that the Department complies with the acts and legislation governing the handling of government records.

GENERAL PROVISIONS AND CONTRACT SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

The Engineering Services Section maintains the Department's "General Provisions and Contract Specifications for Highway Construction Manual." Each

year the Section brings together the Specifications Review Committee from other Sections/Divisions of the Department to review and update the Manual. The tasks of the Committee are:

- promote Departmental uniformity in the application of specifications
- clarify specifications to ensure the intent is clear, concise, complete and consistently interpreted
- correct weak, ambiguous or misused specifications
- improve overall work quality through provisions and specifications
- determine which issues we must address and approve recommendations
- ensure that the specifications reflect technological advancements
- determine the direction of future specifications (i.e., end product specification)
- determine quality control and quality assurance roles
- provide communication channels for Department personnel
- allocate staff and resources to the resolution of issues
- ensure that the specifications advance with information technology (i.e., digital access, specification tailored software)
- identify specifications with poor cost/benefit ratios

The Engineering Services Section then publishes the revisions and distributes them to the 200+ Manual holders. All Manual holders are registered and payments are collected from new subscribers.

WEIGH SCALE CONTRACT QUANTITIES

The Engineering Services Section is responsible for ensuring current and accurate totals of all materials which are paid by weight on all highway

construction and maintenance projects. The Section provides data entry of material tickets for progress payments on all highway construction and oversees the same for maintenance projects. Training is provided to all provincial weighers and checkers in conjunction with Measurement Canada and Highway Safety Operations to ensure that there is compliance to the Federal Weights and Measures Act and the Roads Act Vehicle Weight and Regulations.

POLICY AND PLANNING

The Policy and Planning Section are responsible for obtaining and maintaining current and up-to-date data and knowledge of federal, national, regional, and provincial transportation legislation and policies with respect to all aspects of the transportation sector, such as airports and air transportation, seaports and marine services, and highways. This Section liaises with federal and provincial counterparts across Canada, with interested parties within Prince Edward Island, and participates in committees devoted to formulating and recommending policies and amendments to existing legislation that enable the transportation sector to enhance economic development opportunities, especially within the Maritimes region and PEI.

A major area of concern during the past few years has been, and still is, the Government of Canada's fiscal policies of deficit reduction, revenue generation, and cost-recovery within the transportation sector whereby services that were once provided on a national basis by the federal government are being down loaded to the provincial governments and others. One of the principal functions of this Section is to monitor and respond to emerging transportation policy initiatives of the Government of Canada. In 1994, the Federal Government undertook a process of withdrawing from almost all of its historic operational responsibilities and transportation subsidy programs. Several of these matters are of particular interest to Prince Edward Island.

Air Transportation

In July 1994, Transport Canada released the National Airports Policy (NAP) which is intended to commercialize operation of Canadian airports by 2001. The Charlottetown Airport was designated as a National Airport System (NAS) facility, which continues to be owned by the Government of Canada but operated on the basis of a sixty-year lease without a federal subsidy by a not-for-profit Canada Airport Authority (CAA) consisting of local interests. Passenger traffic at the Charlottetown Airport was reported to be 192,000 in the NAP, which is less than the nominal requirement of 200,000 passenger movements for inclusion in the NAS. Charlottetown was included as an NAS facility because of its status as a provincial capital.

The transfer of the operation and management of the Charlottetown Airport took effect March 1, 1999 following extensive negotiations between the Charlottetown Airport Authority Inc. and Transport Canada.

A joint marketing agreement was signed by the Province of Prince Edward Island, the PEI Tourism Industry Association and Signature Tours/Royal Airlines to provide and promote twice weekly nonstop charter air service between Toronto and Charlottetown.

Inter-Canadian replaced Air Atlantic as the regional connector for Canadian Airlines International.

PEI Ports

In a manner similar to the commercialization of Canadian airports, Transport Canada announced in December 1995 the creation of a National Marine Policy, calling for, among many other things, modernization of the marine management and regulatory regime and greater efficiency and effectiveness in the marine transportation sector. Legislation to implement the National Marine Policy, the Canada Marine Act, has been passed by Parliament.

The direction of the National Marine Policy is to commercialize ports, waterways and services formerly provided by the Canadian Coast Guard such as ice-breaking, navigational aids, dredging and other marine services. As part of the cost recovery measures and deficit reduction initiatives of the Government of Canada, fees for services are being implemented. The Federal Government has discontinued harbor and berth dredging, implemented fees for aids to navigation and ice-breaking, and increased charges for berthage and wharfage. The Canada Marine Act will establish Canada Port Authorities, similar to the Canada Airport Authorities, for ports that are vital to Canada's international and domestic trade. The government will transfer operational control of qualifying ports to Canada Port Authorities (CPA's). These CPA's will be managed by a majority of representatives nominated in consultation with port users, and by representatives appointed by the federal, provincial and municipal governments. Any Canadian port or harbour may apply for CPA status. However, the criteria are such that PEI's four ports, Georgetown, Souris. However, the criteria are such that PEI's four ports, Georgetown, Souris, Summerside and Charlottetown are unlikely to qualify.

Under the National Marine Policy, the four commercial ports on PEI were classified as Regional/Local facilities. The intent of Transport Canada was to offer to sell these ports to other Federal Government departments, the Provincial Government,

municipalities, local commissions or community groups and, in the final instance, to private interests.

The port facilities in Charlottetown, Summerside, Georgetown and Souris are important economic generators in these communities and to the Province as a whole. While these ports do not handle the high volume of traffic handled by other Maritime ports such as Halifax or Saint John, they do have significant traffic that is important to the Island's economy. Because of the Federal Government's plan to divest itself of responsibility for all four Island ports, several consultant studies were commissioned in an attempt to determine the potential impacts upon water borne shipments and therefore, the negative economic impact on this province, and from the provincial perspective, to determine the potential economic stand alone viability of these ports:

1. Prince Edward Island Port Profiles & Analysis
   for: PEI Department of Transportation & Public Works
   by: Geoplan Consultants Inc. of Fredericton, NB
   January 1996; and

2. Prince Edward Island Ports Study
   for: Atlantic Canada Opportunities Agency
   by: PortAbility International
   January 1997; and

3. Economic Impact Study of Major Marine Initiatives
   (Impact of the Marine Initiative on Major Economic Sectors)
   for: Department of Fisheries & Oceans
   by: Hickling Corporation
   August 1996

Recognizing the unique situation of PEI ports, Minister Collenette announced the formation of a committee of stakeholders to investigate the possibility of the combination of the four ports to become a CPA. As Local/Regional ports under the Policy, the stated intention of the Federal Government is to abandon the facilities in the year 2001. The Committee began its work in the Fall of 1998 with its recommendations to be reported to the Federal Minister later in 1999.

Maritime Seacoast Advisory Board

The MSAB enables industry representatives (Maritime shippers) to make recommendations to the Canadian Coast Guard on various issues; initially the Marine Services Fee for aids to navigation and other proposed (and implemented) regulations under the Canada Marine Act. In addition to Coast Guard members, the Board consists of three representatives from New Brunswick, three from Nova Scotia and one from Prince Edward Island. In 1998, the MSAB was involved with charges for aids to navigation and ice-breaking fees.

Small Vessel Licensing

Under a proposed small vessel registration system, the Coast Guard would have provincial and territorial governments assume responsibility for administering new regimes for the licensing of small vessel and vessel operators, and responsibility for services currently provided by the Coast Guard in the areas of navigable waters protection, aids to navigation and search and rescue. Specifically, practical and implementable measures designed to improve the current small vessel registration system, to ensure satisfactory levels of operator proficiencies and the enforcement of recreational boating/small vessel safety regulations, are the focuses of the small vessel registration and licensing initiative.

The Coast Guard, attempting to provide a link to and obtain feedback from the recreational boating community, formed the Recreational Boating Advisory Council with six representatives from Nova Scotia, three from New Brunswick and one from this Province. Coast Guard officials made presentations in Charlottetown and Summerside to interested parties.

Although the Federal Government had already set a collection target, details of precisely what kind of vessel would qualify and how much individual licences would cost have been hotly debated among boaters, outdoor enthusiasts and federal officials.

Near the end of fiscal 1998-99, the Federal Government began phasing in a minimum age restriction, requirements of operator proficiency and vessel registration for recreational boaters. Provinces have not taken on the administration of the program due to reluctance to assume the responsibility for enforcement of the regulations in an area of federal jurisdiction.

Marine Pilotage Review

The Canadian Transportation Agency initiated a review of marine pilotage. The two geographical areas of compulsory pilotage that directly affects PEI are Charlottetown Harbour and Confederation Bridge. Approaches to other PEI ports have pilotage available but not required.

Northumberland Ferries Limited

The Policy and Planning Section participated in the Premier's Task Force and administered a ferry study conducted by Geoplan Consultants and Enterprise Management Consultants. Traffic origin/destinations and crossing and terminal times for passenger and commercial vehicles were surveyed. Development opportunities and service enhancements were identified. Traffic on the Wood Islands-Caribou ferry service is increasing following a slump coincident with the opening of Confederation Bridge.

Confederation Bridge

Confederation Bridge is privately owned and operated for the first 35 years, after which ownership and responsibility revert to the Government of Canada. The Bridge experienced a number of periods of high wind that resulted in the temporary suspension of service for high-sided vehicles. Marine pilotage is compulsory for ships transiting Northumberland Strait under the Bridge. The formulation of a contingency plan for the maintenance of the Federal Government constitutional obligation of continual communication connection of PEI with the Mainland in the event of a catastrophe causing a lengthy closure of the Bridge was nearing completion.

Minister Currie nominated Confederation Bridge for an Institute of Transportation Engineers Achievement Award. The submission was successful and the Award was presented at the ITE International Annual Meeting in Toronto in June 1998.

Greater Charlottetown Area Chamber of Commerce

The Transportation Committee of The Greater Charlottetown Area Chamber of

Commerce meets regularly to discuss pertinent transportation issues. The Committee again planned and implemented activities recognizing National Transportation Week. This year's theme was "Transportation: Our National Resource." Planning is underway for next year's event.

Public Transportation Cooperative of PEI

The Transportation Cooperative is an association of individuals and organizations in PEI who are interested in promoting transportation alternatives to the single-occupant motor vehicle. The Transportation Co-op organized a "Freedom to Move" Conference held at UPEI in June 1998. The Section acts as an observer and adviser to the group.

Since the removal of economic regulation that included barriers to entry/exit, schedule and tariff regulations, the passenger transportation industry allows entry into the market based on safety fitness, which essentially consists of three elements; properly maintained and inspected vehicle, qualified and licensed driver, and a minimum insurance requirement. The market is open for the provision of services from car pools and van pools to ride-sharing and ride-matching to full-fledged inter-city bus operations. Under the deregulated environment, a number of for-hire intra and extra-provincial services have been initiated using seven to 15 passenger vans.

Bus Safety

Transport Canada has initiated an investigation of bus safety. While the responsibility for vehicle safety standards and equipment resides with the Federal Government, the regulation of traffic operations is under provincial jurisdiction.

Intergovernmental cooperation is required to ensure federal and provincial regulations are complementary.

NS Transportation Planning

The Province of Nova Scotia has been developing a provincial transportation plan. Recognizing the importance of inter-provincial connections, Nova Scotia invited the other three Atlantic Provinces to participate in their process. The transportation connections between PEI and NS include the Wood Islands, PEI to Caribou, NS ferry service operated by Northumberland Ferries Ltd. which provides a link in the Trans Canada Highway network for road motor vehicles, air services between Charlottetown and Halifax provided by Air Nova and Inter-Canadien (which replaced Air Atlantic as Canadian Airline's regional connector), and various marine shipping services from aggregate barges to cruise ships. The harmonization of regulations, standards and procedures among the four provinces is also an important consideration to facilitate and promote trade and tourism within the region and beyond.

Atlantic Provinces Freight Transportation Study

Transport Canada initiated a study of freight movements to, from and within the Atlantic Region. The four provinces accepted Transport Canada's invitation to participate on the project steering committee. Transport Canada has conducted, or is conducting, similar work in other regions of the country. The primary consultant on the Atlantic study is Coles Associates. The study is expected to be completed in the Fall of 1999.

Atlantic Provinces Transportation Commission

The mandate and the mission of the APTC have changed from an organization primarily focussed on ensuring shippers received the applicable tariffs and

subsidies under a regulated system one of transportation information disseminator in the economically deregulated environment. The advocacy role on regarding efficient, effective and available transportation options continues.

APTC is supported financially by the four Atlantic provincial governments. PEI's portion of the government contribution is 1/15; Newfoundland pays 3/15; New Brunswick pays 5/15; and Nova Scotia pays 6/15. Provincial government funding will be reduced by 10% in the next fiscal year. This Department has one direct seat on the Board of Directors and Executive Committee and appoints one industry member to the Board. APTC appoints two other PEI representatives.

In 1998, efforts to commercialize the organization and reduce the reliance on government funding continued. Costs were reduced and fees for services have been implemented. The APTC entered an agreement with the Atlantic Provinces Chamber of Commerce (APCC) to share office space and other overhead items. The APTC enhanced its web site. The APTC is a partner with the Canadian Industrial Transportation Association (CITA). Issues with which the APTC has been concerned include air fares, Atlantic association of airports, border crossings, national highway program, vehicle weights and dimensions, toll roads, trade corridors, ferry services, and railway mergers and abandonments.

Transportation Association of Canada

TAC is a 500-member non profit association that acts as a neutral forum for the discussion of transportation issues and concerns, and as a centre of technical excellence in road transportation. The Policy & Planning Section sits on two councils and one standing committee being the Multi-Modal Council, Research & Development Council and the Aviation Standing Committee. The Manager of the Engineering Services Section represents the Department on the National

responsibility as Chair of that Committee. This Association held its Annual and Spring Technical meetings in Regina in September 1998 and Ottawa in May 1998, respectively.

Membership and participation in these organizations provides contact with transportation experts and information exchange across Canada and is a valuable resource for the Department.

An update of the National Highway Policy was conducted in 1998 under the auspices of TAC.

Canadian Transportation Research Forum

Through an annual national conference, a semiannual conference, a paper competition, published proceedings, a scholarship program, and a web site, the CTRF encourages and promotes research in all aspects of transportation, provides a forum for the exchange of ideas and research results and for the discussion of transportation issues. The 35th Annual Conference is being planned for Charlottetown in June 2000.

Eastern Border Transportation Coalition

North-South and East-West trade, including tourism, is expanding. A number of jurisdictions in Canada and the US have united to form regional and trans border corridor interest groups. Trade and transportation corridors link major population centres and areas of economic activity.

The Eastern Border Transportation Coalition consists of Canadian jurisdictions Ontario and east, and a number of US jurisdictions Michigan and east. Prince Edward Island is a member and is participating to establish corridors to expedite the movement of goods and people in Atlantic Canada and the Eastern United States and to reduce the regulatory, administrative and institutional burdens on carriers by the harmonization of standards and procedures to facilitate the movement of goods and people internally, between provinces within Canada, internationally, between Canada and the US, and with individual states of the US For example, trucks should not have to be re-weighed and reinspected by every jurisdiction. With free trade, and the technology available today, crossing borders (international and interprovincial) should be more readily achieved thus creating significant time savings and efficiencies in the movement of goods across borders.

The EBTC lobbied the US Government to reconsider Section 110 of the US Immigration Act that would cause serious delay at border crossings if implemented. Section 110 would require US Customs and Immigration officers to obtain names and other information from every person entering and exiting the US A truck freight data conference was convened by the EBTC. The EBTC is facilitating the involvement of US jurisdictions in the Canadian Roadside Truck Survey. The EBTC enabled the successful application of Maine, New Hampshire and Vermont for highway funding under the US Transportation Efficiency Act for the 21st century (TEA-21). PEI supported the application that will enhance the efficiency of moving goods and people between Atlantic Canada and the eastern seaboard of the US

Climate Change

Canada agreed under the Kyoto Protocol to reduce greenhouse gas emissions to 1990 levels by 2008. Transportation contributes substantially to the amount of emissions. A number of tables were established to determine how the goal would be achieved. The Transportation Table is one component of the process. The preliminary report of the Transportation Table is expected to be submitted to the Council of Ministers Responsible for Transportation and Highway Safety in the Fall of 1999. All tables are expected to report to the Environment Ministers early in 2000.

Transportation and Traffic Statistics

Technological improvements in data management and exchange exert new pressures on obtaining, maintaining, analysing and exchanging data on more elements of the highway infrastructure. Efforts have begun to develop better standards for physical monitoring and accident data.

Frequent exchange of data occurs with other provincial and federal government departments, and between the department and various researchers, consultants, and transportation carriers and terminal authorities. Following are transportation statistics for calendar years 1997 and 1998 that reflect traffic in the marine, air and ferry modes.

SELECTED TRANSPORTATION STATISTICS

Air	1997	1998	%
Inbound Passengers	88,376	87,054	-
Outbound Passengers	90,669	90,905	+0.2

Ferry	1997	1998	%
Marine Atlantic Limited (PEI - NB)*			
Automobiles, Pickups	200,780	N/A	
Trailers, Campers	2,289	N/A	
Trucks	8,499	N/A	
Tractor Trailers	73,492	N/A	
Buses	1,009	N/A	
Passengers	561,834	N/A	
* **Note:** Service terminated May 31, 1997-			
Northumberland Ferries Limited (PEI - NS)			
Automobiles, Pickups	126,324	115,758	-8.3
Trailers, Campers	8,940	11,508	29.0
Commercial Vehicles	34,878	39,810	14.0
Buses	1,078	1,078	n/c
Passengers	458,356	480,258	5.0
* **Note:** Season: May 1- December 1998			
C.T.M.A. Traversier (Souris - Grindstone)			
Automobiles	19,894	22,995	16%
Motor Homes, Vans, Buses, Trucks	5,033	5,251	4%
Motorcycles, Bicycles	1,371	1,765	29%
Heavy machinery	5	7	40%
Passengers	64,591	77,753	20%
* N **Note: 259 Total trips**			

PRINCE EDWARD ISLAND PORTS
TONNES LOADED AND UNLOADED - BY COMMODITY
1997 - 1998

	DOMESTIC		INTERNATIONAL		TOTAL HANDLED		
	(Metric Tonnes)		(Metric Tonnes)		(Metric Tonnes)		1997-1998
PORT AND COMMODITY	Loaded	Unloaded	Loaded	Unloaded	1997	1998	% CHANGE
CHARLOTTETOWN							
* Gasoline	0.0	156,852.0	0.0	0.0	149,341.0	156,852.0	5
* Other Petroleum	0.0	220,123.0	0.0	0.0	199,438.0	220,123.0	10
Not Specified (Canned Milk)	0.0	0.0	13,275.0	0.0	11,851.0	13,275.0	12
Potatoes	0.0	0.0	60,866.0	0.0	36,080.0	60,866.0	69
Sand, Stone, Gravel	0.0	199,647.0	0.0	0.0	228,069.0	199,647.0	-12
Fertilizers	0.0	0.0	0.0	10,276.0	34,095.0	10,276.0	-70
Pulpwood	0.0	0.0	0.0	0.0	0.0	0.0	0
Fish	0.0	0.0	0.0	0.0	0.0	0.0	0
Grain Products	0.0	0.0	0.0	0.0	0.0	0.0	0
Lumber	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTAL	**0.0**	**576,622.0**	**74,141.0**	**10,276.0**	**658,874.0**	**661,039.0**	0.32
Cruise Ship Passengers	**0.0**	**0.0**	**0.0**	**2,115.0**	**6,366.0**	**2,115.0**	-67

* Petroleum Products converted from litres to metric tonnes.

	DOMESTIC		INTERNATIONAL		TOTAL HANDLED		
	(Metric Tonnes)		(Metric Tonnes)		(Metric Tonnes)		1997 - 1998
PORT AND COMMODITY	Loaded	Unloaded	Loaded	Unloaded	1997	1998	% CHANGE
GEORGETOWN							
* Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0
* Other Petroleum	0.0	8,273.0	0.0	0.0	7,175.0	8,273.0	15
Not Specified (Canned Milk)	0.0	0.0	0.0	0.0	0.0	0.0	0
Potatoes	0.0	0.0	0.0	0.0	0.0	0.0	0
Sand, Stone, Gravel	0.0	69,455.0	0.0	0.0	35,872.0	69,455.0	94
Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0
Pulpwood	38,060.0	0.0		0.0	59,594.0	38,060.0	-36
Fish	0.0	0.0	0.0	0.0	4,687.0	0.0	-100
Grain Products	547.0	0.0	0.0	0.0	0.0	547.0	0
Lumber	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTAL	**38,607.0**	**77,728.0**	**0.0**	**0.0**	**107,328.0**	**116,335.0**	8
Cruise Ship Passengers	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	0

* Petroleum Products converted from litres to metric tonnes.

Source: Transport Canada, Harbours & Ports, Charlottetown

PRINCE EDWARD ISLAND PORTS
TONNES LOADED AND UNLOADED - BY COMMODITY
1997 - 1998

	DOMESTIC		INTERNATIONAL		TOTAL HANDLED		
	(Metric Tonnes)		(Metric Tonnes)		(Metric Tonnes)		1997 - 1998
PORT AND COMMODITY	Loaded	Unloaded	Loaded	Unloaded	1997	1998	% CHANGE
SOURIS							
* Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0
* Other Petroleum	0.0	0.0	0.0	0.0	0.0	0.0	0
Not Specified (Canned Milk)	0.0	0.0	0.0	0.0	0.0	0.0	0
Potatoes	0.0	0.0	15,224.0	3,903.0	16,917.0	19,127.0	13
Sand, Stone, Gravel	0.0	4,046.0	0.0	0.0	58,017.0	4,046.0	-93
Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0
Pulpwood	0.0	0.0	0.0	0.0	0.0	0.0	0
Fish	0.0	0.0	0.0	0.0	0.0	0.0	0
Grain Products	0.0	0.0	0.0	0.0	0.0	0.0	0
Lumber	0.0	0.0	0.0	0.0	731.0	0.0	0
TOTAL	**0.0**	**4,046.0**	**15,224.0**	**3,903.0**	**75,665.0**	**23,173.0**	**-69**
Cruise Ship Passengers	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0**

* Petroleum Products converted from litres to metric tonnes.

	DOMESTIC		INTERNATIONAL		TOTAL HANDLED		
	(Metric Tonnes)		(Metric Tonnes		(Metric Tonnes)		1997 - 1998
PORT AND COMMODITY	Loaded	Unloaded	Loaded	Unloaded	1997	1998	% CHANGE
SUMMERSIDE							
* Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0
* Other Petroleum	0.0	0.0	0.0	0.0	0.0	0.0	0
Not Specified (Canned Milk)	0.0	0.0	0.0	0.0	0.0	0.0	0
Potatoes	0.0	0.0	55,666.0	0.0	43,363.0	55,666.0	28
Sand, Stone, Gravel	0.0	0.0	0.0	104,563.0	92,907.0	104,563.0	13
Fertilizers	0.0	0.0	0.0	37,888.0	67,850.0	37,888.0	-44
Pulpwood	0.0	0.0	0.0	0.0	0.0	0.0	0
Fish	0.0	0.0	0.0	0.0	0.0	0.0	0
Grain Products	11,266.0	0.0	0.0	0.0	11,266.0	0.0	-100
Lumber	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTAL	**11,266.0**	**0.0**	**55,666.0**	**142,451.0**	**215,386.0**	**198,117.0**	**-8**
Cruise Ship Passengers	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0**

* Petroleum Products converted from litres to metric tonnes.

Source: Transport Canada, Harbours & Ports, Charlottetown

Annual report for the Pavement Management System 1998-1999

The Pavement management section did not collect any pavement data this year. The data from 1997 showed that the equipment being used to test the provincial highways for roughness and strength were no longer working properly and the department was not willing to spend the necessary monies to repair the equipment. Also based on the previous years *pilot project* of new pavement management software called Pavement Condition Monitoring System, the department decided to purchase this information system and began work with ***Delphi*** and ***UMA*** to customize the system for our needs.

Specific custom requirements were;

- that the system employ Arcview, a GIS software, for graphic information viewing;

- that the new system perform *required rehabilitation needs* at a project level analysis and not at just the section level lengths;

- the new information system must have the ability to change the section lengths by the users of the system- namely the engineering staff of the construction section.

The customization work on the software for our needs was supposed to complete and software installed by March 1999, but was not complete. The consultant explained that the customization logic to link all three needs was much more complex than expected. Thus the implementation project was not complete by the end of March. The extended time required by the consultant for this project will not affect the contract price.

1998-9 Integrated Traffic Monitoring System

In the current year, the Highway Planning section continued to monitor 11 permanent count sites. Two of those sites were new last year and thus the section did not use their data to calculate the annual provincial traffic growth rate. The annual growth rate using 9 permanent count sites shows an annual growthn rate of 1.8% over the year 1997. Because we had problems at North River permanent count site it was decided that this count site should be excluded from the annual growth rate calculation thus making the provincial traffic growth rate more in the order of about 3.4% over the 1997 averages. There was also a problem with the permanent count site at Richmond on Route 2. This site was not monitored for the whole year because of construction and thus if it is removed from the annual growth rate calculation then the provincial growth rate would show as 3.9%. The three new permanent counters installed the year before continued to perform correctly but were not part of the provincial growth calculation because they did not have a complete year of data for the preceeding year ('97).

As a result of the *apparent* low increases at the permanent count sites last year, administration asked the section to verify all permanent count sites. As an exercise, we mannually verified each permanent count site for a period of one half day and brought the results back to the department. Each permanent count site was verified at less than one half of one percent (<0.5%). Almost all cases of mis-counting related to vehicles "straddling" the lanes or the shoulders. In no cases did the staff observe lack of counts or double-counting.

The Planning section continued traffic monitoring with approximately 65 temporary count sites, 4 WIM (Weigh-in-motion) sites, 46 Automated Vehicle Classification sites and only 25 intersection classification counts. The classification counts at intersections are mannually observed data collections and last year quality was particularly poor and late in coming. As a result the department only retained about 15 of those counts and the remaining were deleted.

The section continued to monitor and collect data at both the US SHRP and the C SHRP long-term deterioration asphalt test sites. The annual test data continues to be sent to the SHRP headquarters in Ottawa and Albany, New York.

Following is a table outlining the Annual Average Daily Traffic volumes in the province. These count sites are used by the department to calculate the provincial traffic growth rates. It should be noted that because construction changes at some of the permanent sites, not all sites are utilized in the provincial growth rate calculation.

				Annual Chg	
Perm				as %	
Sites	1997	1998		1998/1997	
Tryon	3904	4001		2.5	
North River	18500	16696		-9.8	
Cherry Valley	5382	5490		2.0	
Marie	2266	2439		7.6	
Pleasant Vallery	4356	4562		4.7	
Richmond	4526	4479		-1.0	
Cavendish	1788	1866		4.4	
Milton	1891	1923		1.7	
O'Leary	1543	1612		4.5	
		Average % increase		1.8	%
		excluding North Riv Causeway....		3.3	%
		excluding NRC and Richmond.....		3.9	%

Surveys Section

The Office of the Provincial Chief Surveyor

This section provides counsel on specific legal and technical aspects as they relate to land surveying in Prince Edward Island. It maintains a close working relationship with variousother Government groups including the Design Section, Risk Management & Insurance Section, Taxation & Property Records Division, the Legal Services Division of the Department of Provincial Affairs and Attorney General, as well as other lawyers, land surveyors and engineering professionals throughout the province and abroad. Among many, this section fulfills the following essential functions:

-Provide timely, comprehensive, & efficient land surveying and engineering surveying services on public roads and provincial lands;

-Collect evidence and provide council on the legal nature (public or private) of particular roads, right-of-ways, and public easements in this province;

-Maintenance and management of our provincial control survey networks;

-Maintain a library of documentary evidence and case law related to land surveying in Prince Edward Island and other provinces;

-Coordinate training sessions & develop surveying standards for engineering and legal surveying crews within the Department, as well as coordinate and implement quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to exceed high engineering design standards;

-Provide a mechanism for the equitable resolution of boundary uncertainties.

To help complete these various tasks, our section is composed of a senior survey technician, survey/research technician and two survey crews consisting of one crew chief and two technicians all under the guidance of the Provincial Chief Surveyor. Our entire group is specially trained in the collection and evaluation of boundary evidence and common law concepts as they relate to land surveying.

Several surveying projects completed this year include the retracement of road boundaries in Poole's Corner, Milton, Seven Mile Bay and other communities as well as the entire perimeter highway corridor from Warren Grove to Clyde River. These surveys identified existing road boundaries to ensure that all road construction and improvements occurred well within these boundaries, and identified additional lands to be purchased as required. Other surveys included lands in Cardigan, Seven Mile Road, Murray River, Summerside (new health centre), West Royalty (new school site), Mount Herbert (new health facility) to name a few, and former CNR rail line corridor boundaries in Brackley, Dunstaffnage and other communities.

This section also studied various uncertain public roads, and was also involved in addressing such issues as alternatives for land registry reform and private road maintenance. Data on the province's High Precision Network is now available and should be officially published this year. Maintenance on our survey control network was also reinstated with an inspection program recently completed in which over 380 monuments were inspected. Work is to be completed this year on the reconnaissance, remonumentation and observation phases for replacing new monuments in strategic locations.

This section is also responsible for the administration of various statues relating to land contained in such legislation as the Land Surveys Act, the Land Surveyors Act, the Condominium Act, The Oil and Natural Gas Act, the Mineral Resources Act and the Roads Act.

PLANNING AND DESIGN SECTION

Planning, design and construction of Government and related buildings is carried out by the Buildings Group; planning and design of major highway projects is carried out by the Highway Design Group.

The position of Manager Planning and Design Section was vacant on March 31, 1999. As a result, the buildings engineer and highway design engineer reported directly to the Chief Engineer.

Activities carried out by the section are summarized under the report for each group:

BUILDINGS GROUP

The Buildings Group is responsible for the design and preparation of tender documents required for the construction or renovation of various government and client buildings; as well as the supervision and inspection of construction work to ensure that contracts are completed in accordance with plans, specifications and budget allocations. The design work is either performed by staff or private consultants, engaged for a project, and supervised by the staff; and includes the following:

evaluation of existing buildings,
development of concept plans,
preparation of cost estimates,
preparation of working drawings and specifications required to obtain tenders
receipt of tenders and preparation of construction contracts,

preparation of request for proposals, covering required consultant services, evaluation of consultant services proposals, and indoor air quality investigation.

Design work was completed and tenders were received during the year for the following projects:

Southern Kings Elementary School Flooring
Eliot River Elementary School Window Replacement
Cardigan Consolidated School Window Replacement
Elm Street Elementary School Re-Point Masonry
Three Oaks Senior High School Gym Repair
Central Queens Elementary Window Replacement
Sherwood Elementary School Ventilation
Montague High School Roofing
O'Leary Elementary School Window Replacement
Sir Henry Louis Davies Law Courts Renovation
Glen Stewart Elementary School Addition & Windows
East Wiltshire Intermediate School Ventilation
St. Louis Elementary School Flooring
West Kent Elementary School Roofing
Vernon River Consolidated Windows Replacement
Alberton Elementary School Window Replacement
Bloomfield Elementary Gymnasium Repair
Parkside Elementary School Flooring
St. Peters Elementary School Renovations
Grand Tracadie Elementary School Flooring
Ecole Evangeline Industrial Arts Shop
Westwood Elementary Reading Recovery Room
Kings County Highways Garage
M.E. Callaghan Jr. High Gym Wall Siding

Highway Materials Testing Lab
Queen Elizabeth Elementary Siding Replacement
Montague Intermediate School Addition
Sherwood Elementary School Emergency Lighting
P.E. Home Nurses Residence Demolition - Cancelled
Community Hospital Flooring Replacemen
Kensington Liquor Store Fit-Up

Design work was underway for the following projects:

West Royalty Elementary School
Souris High School Siding
St. Peters Consolidated school Windows
Three Oaks Senior High School Roofing
Tignish Elementary School Flooring
Morell Consolidated School Roofing
Queen Elizabeth Elementary School Renovation
Wellington Liquor Store Renovations
Charlottetown Mall Liquor Store Renovations
Western School Board Bus Repair Depot Ventilation
Tracadie Cross School Window Replacement
Rustico Liquor Store Cash Counters
Waterfront Mall Liquor Store Renovation
Rustico Liquor Store Parking Lot

Construction supervision and inspection was provided for the following projects, that were completed during the year:

Athena School

Holland College Georgetown

Holland College Slemon Park

Glen Stewart School Addition

Kings County Maintenance Garage

Highway Materials Testing Lab

Sir Henry Louis Davies Law Courts

Montague Jr. High School Addition

Alberton Elementary School Windows

O'Leary Elementary School Windows

M.E. Callaghan Jr. High School Windows

Elm Street School Masonry

Parkside School Flooring

St. Louis Elementary School Flooring

Kensington School Siding

Central Queens School Windows

East Wiltshire School Flooring

East Wiltshire School Ventilation

Sherwood Elementary School Ventilation

Vernon River Elementary School Windows

Montague High School Roofing

Southern Kings School Windows

Eliot River School Windows

Montague High School Windows

Cardigan Elementary School Windows

Three Oaks High School Gymnasium Repair

Greenfield Elementary Solar Panel Removal

Prince County Hospital Smoke Compartment

SCHEDULE CONSTRUCTION SERVICES

Southern Kings Elementary School - Flooring Replacement - Opened April 9, 1998

F.R.S. (Supplies) Ltd.	$40,524.00
W.M. & M. (1993) Ltd.	44,900.00
Install-A-Flor Ltd.	49,439.00
Ralph Connor Co. Ltd.	57,589.00
Coastal Flooring & Wall (1992) Ltd.	59,995.00

Eliot River Elementary School - Window Replacement - Opened April 9, 1998

Schurman Construction Ltd.	$74,100.00
MacLean Construction	75,400.00
Star Construction	81,000.00
Wellington Construction	82,734.00
Gill Construction Inc.	88,000.00

Cardigan Consolidated School - Window Replacement - Opened May 15, 1998

MacLean Construction	$84,480.00
Schurman Construction Ltd.	86,900.00
Clinton & MacAulay	93,850.00
W.M. & M. (1993) Ltd.	102,000.00
Brothers Developments	115,808.00

Elm Street Elementary School - Re-Point Masonry - Opened May 15, 1998

Coastal Restoration & Masonry Ltd.	$35,128.00
MCM Bricklayers Ltd.	39,400.00
Star Construction	48,800.00
Heritage Restoration Services	55,120.00

Three Oaks Senior High School - Gym Repair - Opened May 20, 1998

W.M. & M. (1993) Ltd.	$202,700.00
Perry's Construction	207,700.00
Schurman Construction Ltd.	211,400.00
Star Construction	213,000.00

Central Queens Elementary School - Window Replacement - Opened May 28, 1998

W.M. & M. (1993) Ltd.	$149,491.00
Schurman Construction	147,900.00
MacLean Construction	155,400.00
Star Construction	159,000.00

Sherwood Elementary School - Ventilation - Opened May 18, 1998

MacIntyre Sheet Metal	$385,800.00
Schurman Construction Ltd.	404,100.00
Steen Contractors	408,700.00
Brunswick Sheet Metal	414,000.00
MacLean Construction	424,900.00
Fitzgerald & Snow Ltd.	441,000.00
Bevan Bros. Ltd.	454,950.00
Westal Contractors	473,974.00

Montague Regional High School - Roofing - Opened June 3, 1998

Ashe Roofing	$18,900.00
Atlantic Roofers Ltd.	19,978.00
Dominion Roofing Ltd.	21,021.00

O'Leary Elementary School - Window Replacement - Opened June 3, 1998

Wellington Construction	$128,155.00
Maddix Construction	142,300.00
Star Construction	143,000.00
Schurman Construction	159,980.00
Perry's Construction	161,500.00
A.L.S. Construction	161,910.00
G.I.A. Limited	179,000.00

Sir Henry Louis Davies Law Courts Renovation - Opened June 9, 1998

Southern Kings Construction	$3,410,000.00
Marcon Construction	3,766,000.00
Fitzgerald & Snow Limited	3,882,000.00
Schurman Construction Ltd.	3,979,000.00

Glen Stewart Elementary School Addition & Window Replacement - Opened June 11, 1998

MacLean Construction	$917,000.00
Southern Kings Construction	928,067.00
Schurman Construction Ltd.	935,000.00
W.M. & M. (1993) Ltd.	988,000.00

East Wiltshire Intermediate School - Ventilation - Opened June 11, 1998

Gavin Gill Inc.	$39,115.00
Sherbrooke Mechanical	41,960.00
Bevan Bros. Ltd.	42,000.00
MacIntyre Sheet Metal Ltd.	46,430.00

St. Louis Elementary School - Flooring - Opened June 19, 1998

Dean's Flooring & Drapery Ltd.	$29,460.00
Alton Hardy & Son	30,474.27
W.M. & M. (1993) Ltd.	33,300.00
Ralph Connor Co. Ltd.	35,800.00
F.R.S. (Supplies) Ltd.	41,942.00

West Kent Elementary School - Roofing - Opened June 19, 1998

Ashe Roofing Ltd.	$37,900.00
Dominion Roofing Ltd.	40,254.00
Atlantic Roofers Ltd.	41,800.00

Vernon River Consolidated School - Window Replacement - Opened June 19, 1998

MacLean Construction Ltd.	$89,600.00
Southern Kings Construction Ltd.	95,417.00
W.M. & M. (1993) Ltd.	98,890.00

Alberton Elementary School - Window Replacement - June 26, 1998

G.I. Adams Construction	$139,000.00
Maddix Construction	147,450.00
Star Construction	153,600.00
Perry's Construction	154,700.00
W.M. & M. (1993) Ltd.	155,800.00
Wellington Construction	161,780.00

Bloomfield Elementary School - Gymnasium Repair - Opened June 26, 1998

Schurman Construction Ltd.	$59,255.00
Wellington Construction Ltd.	60,455.00
W.M. & M. (1993) Ltd.	60,763.00
Perry's Construction	62,500.00

Parkside Elementary School - Flooring - Opened June 26, 1998

House of Excellence	$35,672.00
W.M. & M. (1993) Ltd.	58,000.00

St. Peters Elementary School - Renovations - July 3, 1998

W.M. & M. (1993) Ltd.	$41,000.00

Grand Tracadie Elementary School - Flooring - Opened July 7, 1998

Loyalist Marble & Tile	$19,850.00
Gordon W. Genge	23,826.00
W.M. & M. (1993) Ltd.	36,485.00

Ecole Evangeline - Industrial Arts Shop - Opened July 7, 1998

Maddix Construction		$20,850.00
W.M. & M. (1993) Ltd.		23,620.00
Wellington Construction		24,891.00
Gordon W. Genge		29,800.00
Floorworks Inc.	(Incomplete)	8,429.25

Westwood Elementary School - Reading Recovery Room - Opened July 9, 1998

W.M. & M. (1993) Ltd.	$20,568.00
Star Construction Ltd.	21,500.00
Schurman Construction Ltd.	22,400.00
MacLean Construction	22,930.00

Kings County Highways Garage - Opened July 23, 1998

Schurman Construction Ltd.	$1,229,000.00
Southern Kings Construction	1,255,860.00
Cheverie Construction	1,293,802.00
MacLean Construction	1,314,000.00
Fitzgerald & Snow Ltd.	1,344,500.00

M.E. Callaghan Jr. High School - Gym Wall Siding - Opened July 29, 1998

Maddix Construction	$8,190.00
Schurman Construction	8,465.00
Perry's Construction	9,500.00
Star Construction	11,300.00
G.I. Adams Construction	14,500.00

Highway Materials Testing Lab - Opened August 4, 1998

Earl A. Redmond Inc.	$535,000.00
MacLean Construction	563,900.00
Kasco Construction	587,300.00
Star Construction	608,500.00
Cheverie Construction	616,074.00
KMD Construction	619,263.12
W.M. & M. (1993) Ltd.	627,000.00
Gill Construction	725,000.00

Queen Elizabeth Elementary School - Siding Replacement - Opened August 6, 1998

Ashe Roofing Ltd.	$7,300.00
Star Construction	9,800.00
Maddix Construction	9,990.00
MacLean Construction	10,930.00
Schurman Construction	14,787.00
W.M. & M. (1993) Ltd.	17,550.00

Montague Intermediate School Addition - Opened September 4, 1998

MacLean Construction	$2,269,272.00
Schurman Construction	2,281,000.00
Fitzgerald & Snow Limited	2,287,000.00
Southern Kings Construction	2,290,000.00
B. D. Stevens	2,442,407.00

Sherwood Elementary School - Emergency Lighting - Opened September 17, 1998

Olympia Electric	$8,800.00
Capital Electric	8,836.00
Chas. M. Stewart Inc.	11,500.00
Jamieson Electric	11,990.00
Storey Electric	12,400.00
Ford Electric Ltd.	12,495.00
Hansen Electric Ltd.	12,700.00
DBA Solar Electric Ltd.	13,400.00
AMAC Electric Ltd.	13,950.00

Prince Edward Home Nurses Residence - Demolition - Opened February 9, 1999

Brumac Construction	$129,870.00
Bulldog Demolition	$132,974.00
Star Construction	133,000.00
MacLean Construction	139,900.00
Fitzgerald & Snow Ltd.	144,457.00
Schurman Construction	148,500.00
W.M. & M. (1993) Ltd.	156,300.00

Project Cancelled

Community Hospital - Flooring Replacement - Opened February 16, 1999

W.M. & M. (1993) Ltd.	$104,400.00
Dean's Flooring	67,740.00

Kensington Liquor Store - Fit-Up - Opened March 2, 1999

Star Construction	$272,000.00
W.M. & M. (1993) Ltd.	275,300.00
Brumac Construction	277,870.00
Lyn/Gor Developments	282,800.00
Wellington Construction	289,962.00
MacLean Construction	301,000.00
Gill Construction	309,000.00

HIGHWAY DESIGN SECTION

The Highway Design Section provided drawings for 82 highway related projects during the fiscal year. All incoming electronic survey data provided by the departments survey section were reduced and verified for accuracy prior to preparing further design work.

Detailed design work was carried out for the following highway construction projects:

Route 1

- Cornwall Intersection

Route 1A

- Stratford Road

Route 2

- Western Road-Richmond to Northam
- Coleman Bridge West
- Profits Corner Intersection
- St. Peters Road-Dingwells Mills to Whitty Road

Route 3

- Montague Road

Route 4

- Seven Mile Road-Bridgetown
- Pooles Corner Intersection

Route 5

- 48 Road Elliotvale

Route 6

- Cavendish Road

Route 22

- Baldwins Road

Route 101

- Irishtown Road

Route 217

- French Village Road

Route 305

- Souris Line Road

Route 315

- Wood Islands Road

Route 321

- Cardigan Road

Route 348

- Gladstone Road

HIGHWAY MAINTENANCE DIVISION

General

The Highway Maintenance Division is responsible for the overall maintenance of the provincial highway system and small structures. The following sections fall under the Highway Maintenance Division:

- Provincial Operations
  - : implementation and management of inventory control for materials used by the Division;
  - : technical services for policies and procedures to be adhered to by road crews

- Highway Maintenance - East, Central, West operations
  - : maintenance of all government-owned roads across the Province
  - : surface maintenance, roadside maintenance, dust control, snow & ice control

- Mechanical Branch - East, Central, West operations
  - : operator services and the procurement, replacement, maintenance and dispersal of all department-owned mobile equipment.

- Bridge Maintenance
  - : maintenance of all major water crossing structures.

CORRUGATED STEEL PIPE
HIGHWAY MAINTENANCE

The value of corrugated steel pipe purchased by the Department for its maintenance projects during the 1998-99 season was as follows:

PLANTS	VALUE
Maritime Steel (Milton Plant)	$123,250
Maritime Steel (Bloomfield Plant)	$50,425
Campbell's Concrete	$342,154
Atlantic Hy-Span	$93,350
TOTAL	**$609,179**

Three separate tenders were issued (one for each region) and lowest tenders were awarded accordingly. Excluding couplings, catch basins, elbows and T-joints the following footage was purchased by the Highway Maintenance Division:

Diameter	Lin. Ft.
300 mm	2057
400 mm	3351
500 mm	5918
600 mm	7128
800 mm	1896
900 mm	240
TOTAL	35,898

POLYETHYLENE PIPE

During 1998-99 the Department also tendered and purchased 4000 lin ft of polyethylene culvert which was installed in various locations throughout the Province. The Department will continue to monitor this installation on an on-ging basis to determine the feasibility of using this relatively new product.

USED CULVERT

In an attempt to lower expenditures the Department developed a policy of re-using some used culvert to bridge various woodlot, farm and private home entrance ways. This allows the Department to realize a savings of approximately $23,000 during 1998.

HYDRO SEEDING REPORT

The Department's hydro seeding crew continued to provide service to both the Highway Maintenance and Capital Projects (Highway Construction) Divisions. As in previous years, this crew attempted to operate on a cost-recovery basis. All materials, labour and equipment utilized was internally invoiced and charged back to the appropriate projects.

As a result of some minor re-organization and costing modifications, this crew was able to subsidize itself fully.

During 1998, hydro-seeding rates were lowered by 25% for seeding and 75% for mulching. These rates will continue to adjust with volumes of work required.

Total areas seeded: 192,313 m^2.

Hydro seeding materials tendered during 1998 included:

Grass Seed	4.5 tonnes
Limestone	191 tonnes
Fertilizer	44 tonnes
Rye	1.6 tonnes
Oats	2.3 tonnes
Erosion Control Blankets	4200 m^2

TECHNICAL SERVICES

In 1998 the Highway Maintenance Division identified the need to develop training sessions to properly present policies and procedures to be followed by road maintenance crews, both seasonal and permanent.

With the appointment of a Technical Services Coordinator, the Division actively began gathering training material and developing informative workshops. All highway maintenance employees were required to participate in these workshops.

Subject matter was not limited to, but included:

- Occupational Health & Safety Regulations
- First Aid & CPR
- Work Zone Safety

- Human Resource Development
- Highway Maintenance Policies & Procedures
- Environmental Awareness & Mitigation Measures

In excess of 1000 employees participated in these training sessions. Efforts resulted in a much improved approach to safety and a marked decrease in infractions issued by Occupational Health & Safety inspectors.

EASTERN REGION
SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in November. A total of **31,608.84** tonnes was used by the branch in repairing the Province's paved road network and financed from the pavement maintenance budget. Hand patching crews spread **9,432.48** tonnes. Our spreader crew resurfaced **29.46** kilometres of badly distressed pavement with **15,048.19** tonnes of asphalt. Deep patching crews jack hammered out some severely damaged sections and repaired them with approximately **1,419.82** tonnes of material.

The following is the tonnage of asphalt acquired from each firm:

Supplier:	Tonnes
Matheson & MacMillan	7,824.55
Chapman Bros. Construction	23,784.29
Total.....	**31,608.84**

RESURFACING

The following roads were resurfaced with 1 lift of asphalt using a government-owned spreader:

Zone 1

Road Number	Road Name	Kms
302.01.02	East Baltic	0.99
305.01.01	Souris Line	0.47
305.01.02	Souris Line	0.63
306.01.01	New Zealand	1.00
307.01.02	Bear River	1.78
330.01.01	Lower Rollo Bay	0.72
	TOTAL	**5.5**

Zone 2

Road Number	Road Name	Kms.
016.05.01	North Side	0.79
309.01.01	Selkirk	0.97
322.01.02	Green Meadows	0.98
331.01.01	Church Road	0.97
23767	St. Peters Harbour	1.27
23761	Dingwell Road	0.30
337.01.02	Milburn	0.48
	TOTAL	**5.76**

Zone 3

Road Number	Road Name	Kms.
310.02.01	Annandale	1.17
311.02.02	Launching	1.79
320.01.02	Sparrows	1.11
355.01.01	Lorne Valley	0.72
022.03.01	Union Road	0.16
022.03.01	Union Road	0.11
353.01.02	South Montague	0.48
320.01.01	Knox's Dam	0.45
	Georgetown Victoria Str. To Burnt Point Rd	0.85
	TOTAL	**6.84**

Zone 4

Road Number	Road Name	Kms.
316.01.01	Whim Road	0.25
325.01.02	County Line	0.28
316.01.02	Whim Road	0.82
353.01.02	South Montague	0.28
	Princess Dr.-Queen's Rd.	0.28
	TOTAL	**3.28**

Zone 5

Road Number	Road Name	Kms.
318.01.02	St. Mary's	1.10
324.01.01	Peter's Road	1.51

324.01.02	Peter's Road	1.18
348.01.02	Gladstone	0.89
348.01.02	Gladstone	0.98
348.01.01	Livingstone	1.78
201.01.02	Gray's	0.35
	Murray River-School St.	0.23
	TOTAL	**7.99**

COUNTY TOTAL 29.46

BUSH CUTTING

During the season there were two Government mechanical bush cutters cutting bushes along the highway. A total of approximately **289.5** kilometres was cut. The Department hired bush crews for each of the five districts consisting of a foreman, two labourers and a half-ton truck, to follow the mechanical bush cutters to pick up debris and trim where the cutter could not reach. A mechanical brush chipper was used to eliminate the need to haul away the slash.

ROAD MAINTENANCE

During the past year motor graders were used to scrape and maintain the unpaved road network. In some cases, roads were also ditched and loaders and trucks (government-owned and private) were used to haul away unsuitable material.

Sandstone and/or gravel was placed as a new surface material and new culverts, driveway or cross pipes were installed as required.

On the paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included government or privately-owned ditching machines and trucks. New culverts were installed as required.

Sandstone, gravel and/or rock used to carry out the above tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone m^3	Gravel (t)	Rock m^3
10,253.5	7,029.5	782

The amount of culvert material installed was as follows:

Size	Feet
300 mm	515
450 mm	2743
500 mm	2195
600 mm	2043
750 mm	810
900 mm	–
1200 mm	–

GRASS CUTTING

The Department hired one private grass cutter equipped with a rotary mower to maintain **98.3** kilometres of roadside grass. The term of this grass cutting contract was from mid-June until the end of September. In addition, three farm tractors equipped with rotary mowers and side cutter attachments were utilized for roadside grass cutting on the balance of approximately **900** kilometres throughout King's County.

SHOULDER MATERIAL

During the 1998 season, material was used to upgrade and repair various worn out sections of shoulders. The following is the approximate lengths per District:

K1 - 8 kms **K2** - 6 kms **K3** - 12 kms **K4** - 2 kms **K5** - 10 kms

DUST CONTROL

Maintenance crews used **414** 40 kilogram bags of flaked calcium chloride to control dust in specific locations.

Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of **198,400** Litres were used to treat **95** kilometres of road. Following is a list of roads to which liquid was applied.

Zone 1

ROAD	KMS	LITRES
Tarantum	1.4	2,900
New Harmony	1.2	5,000
Chaisson	2.0	8,400
Manning	0.8	1,700
TOTAL		18,000

Zone 2

ROAD	KMS	LITRES
St. Patricks	1.0	1621
Brothers	1.2	1945
Barren	1.0	1621
Douglas	1.3	2107

Cemetary	2.3	3728
Canavoy	4.5	7295
Settlement	1.2	1945
Windon	1.5	2432
McDougall	1.1	1783
Mooney	0.5	810
Bennett	3.5	5674
Big Lot	2.1	3404
Upton	0.8	1297
Ashton	2.0	3242
Goose River	1.2	1945
Larkins Mill	1.0	1621
New Road	1.3	2107
Sheehan	0.5	811
Red House	1.5	2432
Grove Pine	2.8	4559
Mill	1.0	1621
TOTAL		54,000

Zone 3

ROAD	KMS	LITRES
Burnt Point	0.5	675
Morrison's Beach	0.8	1800
Creek River	0.1	225
Kent Kings	1.0	2250
Old Launching	0.2	400
Prestage	0.9	1900
Beach	1.0	2250
Degros Marsh	1.0	2250
Montreal	0.1	225
Mill	2.2	4500
Cumberland	0.5	1125

Gay	0.2	450
Ark	0.5	600
Sailor Hope	0.9	1800
Collings	1.2	2300
Power	0.4	900
Dewar	0.3	675
Greenfield	2.0	4500
Knox's Dam	1.5	3525
MacDonald	0.9	1800
Brothers	2.0	4500
Quinn	2.0	4500
Garland	1.0	2250
TOTAL		45,400

Zone 4

ROAD	KMS	LITRES
Brudenell Point	2.0	5000
Bean Point	2.6	6500
Campbell	3.0	7500
Dewar	1.4	3500
Loane	3.5	8750
Langley	2.5	6250
MacDonald	3.0	7500
TOTAL		45,000

Zone 5

ROAD	KMS	LITRES
Grey's	2.0	2800
MacPherson	1.0	1200
Compton	1.0	1200
Gladstone	3.0	7000

Bruce's	1.0	1200
Cove	2.0	5000
Buell	1.0	2500
Clements	2.0	6000
Pembroke	0.8	1000
Point Pleasant	1.8	4500
Panmure Island	0.5	1200
County Line	0.5	1200
Blue's	0.5	1200
TOTAL		36,000

The accompanying tables give location and extent of work done (in kilometres) in each District for the past year:

Zone 1	Ditching		Other Maintenance Activities				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Longaphie							0.10
Big Pond							0.20
Rock Berra							0.30
Priest Pond							0.20
Red Point							0.30
Glen		0.75					0.70
Souris River	0.30						
Tarantum		0.15					
Basin Head	0.15						
Souris Line	0.65						
James Mac	0.30						
Baltic	0.20						
St. Catherines		0.34					

Elmira							2.30
Munn's							2.60
Kelly							7.60
Lakeville	0.30						0.70
South Lake	0.35						0.50
Bothwell							0.30
Black Pond							0.40
Rollo Bay							0.20
Souris West							0.25
Lower Rollo Bay	0.35		0.40				0.70
Chaisson							0.80
Father James		1.00					0.15
Glen							0.40
Greenvale		1.50					0.90
Grant							0.90
TOTALS	**2.60**	**3.74**	**0.40**				**20.50**

Zone 2	**Ditching**		**Other Maintenance Activities**				
NAME OF ROAD	**Paved**	**Unpaved**	**Shoulders**	**Graded**	**Surfaced**	**Tap Drains**	**Bush Cutting**
MacLeod	1.20	1.40					0.50
School		2.40		2.00		4.00	0.10
Fortune	0.70						
Settlement		1.30					
MacEwen		1.20					
Canavoy		3.00			1.00		1.00
St. Andrews		4.00					
Lighthouse				1.00	0.50		2.00
Indian					0.10		
Scully							1.00
Cemetary							

Howe Point				0.20	0.50		
St. Peters							2.00
Perry							1.00
TOTALS	**1.90**	**13.30**		**3.20**	**2.10**	**4.00**	**7.60**

Zone 3	**Ditching**		**Other Maintenance Activities**				
NAME OF ROAD	**Paved**	**Unpaved**	**Shoulders**	**Graded**	**Surfaced**	**Tap Drains**	**Bush Cutting**
Neilson		0.20		0.20	0.20		0.20
Robertson	0.30						
Sloan		0.30		0.70	0.70		
St. Georges		0.10		0.30	0.20		
Mitchell River		0.30		0.30	0.30		0.30
Walsh		1.00		0.30	0.20		1.00
Sailor's Hope				0.30			
MacDonald		1.80		1.00			
Emerson		0.30		0.30	0.30		0.30
Campbell	0.10						0.20
Kenny							1.40
Peakes							1.80
Little River							1.00
TOTALS	**0.40**	**4.00**		**3.40**	**1.90**		**5.20**

Zone 4	**Ditching**		**Other Maintenance Activities**				
NAME OF ROAD	**Paved**	**Unpaved**	**Shoulders**	**Graded**	**Surfaced**	**Tap Drains**	**Bush Cutting**
Angus Lane		2.40					

Robertson	0.20						5.35
Whim	0.50						6.80
Heatherdale	0.90						5.40
Brudenell Point	0.40						5.40
Valleyfield	0.40						8.20
MacRae		1.20				0.05	1.30
Loane					0.70		2.40
Dewar		1.00			0.16	0.02	
Langley		0.10			0.70	0.15	
Commercial	0.10						5.40
Aitken Hill							0.85
Queens							1.50
Kilmuir							2.70
Wood Islands							5.80
Bean Plant							1.15
Douses							0.90
Wightman's Point							3.30
French Creek							1.90
Lloyd Westaway							0.80
Peardon							1.00
MacDonald							2.00
South Montague			0.80				0.80
Keith's							1.30
Shaw Lane							0.75
Lower Montague							12.40

Old Ross Lane							0.30
TOTALS	**2.50**	**4.70**	**0.80**		**1.56**	**0.22**	**77.70**

Zone 5	**Ditching**		**Other Maintenance Activities**				
NAME OF ROAD	**Paved**	**Unpaved**	**Shoulders**	**Graded**	**Surfaced**	**Tap Drains**	**Bush Cutting**
Abney							0.30
Beach Point							0.10
Alliston							1.00
Bruce's		2.00			1.00		1.00
Buell					0.30		0.50
Cape Bear		0.20					
County Line		2.00					0.20
Commercial							10.80
Cove					2.00		
Cyrus		0.40					
Dover							1.00
Gladstone		0.10					0.50
Greek River	0.30	0.80					
Iris							0.10
Little Sands	1.10						0.20
Floating Bridge					0.30		
Murray Harbour. North	0.10						0.30
McInnis Street							0.20
MacFarlane					0.30		
New							0.50

Point Pleasant							8.50
Sherrems Point					0.30		1.20
Sturgeon	0.30						1.00
St. Mary's	1.50						
White Sands	1.80						
TOTALS	**5.10**	**5.50**			**4.20**		**27.40**

EASTERN REGION
WINTER MAINTENANCE

Winter activities in the Region involved salting, sanding as well as snow removal, temporary patching of paved roads as well as water drainage and washout repairs and any maintenance activities required to keep our highway system as safe as possible for motoring public. To achieve this end, the following was used:

There were **3,191** tonnes of salt purchased.

The Region purchased **35,552.3** tonnes of blended salt and sand. This blended material consisted of a mixture of 6 percent salt, 30 percent imported, ¼" minus stone and 60 percent sand. This material was stored at eleven (11) sites throughout the Region.

Ice control on sections of Highway #2 and #4 and #16, as well as Souris and Montague main streets, and including **64** kilometres of road, was maintained by direct salt application. The remaining approximate **1,181** kilometres was maintained with sand/salt applications involving seventeen hired trucks and six Department trucks.

An additional 3,232 t of blended sand was purchased to re-charge the winter sand piles during the 1998-1999 winter season.

WINTER PLOWING

Total snowfall recorded at Environment Canada recording stations in the eastern region were:

	Recorded (cm)			
Month	**East Baltic**	**Bangor**	**Monticello**	**Alliston**
November	25.6	19.0	6.0	0
December	44.7	39.0	42.0	40.0
January	56.5	58.0	37.0	35.5
February	37.7	38.0	58.0	40.5
March	34.4	33.0	38.0	8.0
April	46.6	31.0	44.0	21.0

The heaviest snowfall for the eastern region was recorded on December 18 at the Alliston recording station with a total of 24.0 cms of snow.

The following is a breakdown of the contract lists for the fifth year of a five-year contract with private contractor and a list of equipment used by each:

SNOW PLOW REPORT - AREA 1

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Truck(s)	Blower(s)
G & P Trucking	56.46	K2		1	3	1
Kenny's Backhoeing Ltd.	101.12	K3, K4	1	1	2	1
King's Co. Const.	88.06	K2, K3	3	2	2	2
Chapman Bros.	137.67	K1, K2	3	2	2	2
Francis MacLean	30.30	K3		1	1	
Total Kms	412.61					

The Department was responsible for plowing **804.65** kilometres of highway. To this end **21** plow routes and **2** blower routes were established. The following equipment was assigned and located as follows:

EASTERN REGION

LOCATION	KILOMETRES	GRADERS	BLOWERS	LOADERS	TRUCKS
South Lake	39.30	1			
Bayfield	32.90	1			
Rollo Bay	41.20				1
Bangor	42.70				1
Forest Hill	29.70	1			
Savage Harbour	29.30			1	
Morell	48.70				1
St. Teresa's	27.40	1			
Farmington	26.30			1	
Bridgetown	34.90				1
Georgetown	33.00				1
Strathcona	27.20	1			
Cardigan	25.45	1			
Little Pond	36.60	1			
St. Georges	47.90				1
Whim Road	47.65				1
Sturgeon	37.50	1			
Dover	45.50				1
Guernsey Cove	38.80	1			
Murray River	56.20				1

Gaspereaux	56.30				1
St. Peters			1		
Cardigan			1		
TOTALS	**804.65**	**9**	**2**	**2**	**10**

CENTRAL REGION
SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the last week in May to the first week in November. A total of 44,881.51 tonnes were used in repairing the region's paved road network out of the Pavement Maintenance budget. Hand patching crews spread 11,456.58 tonnes. Our spreader crew resurfaced badly distressed pavement with 28,690.13 tonnes of asphalt. Deep patching crews jackhammered out some severely damaged sections and repaired them with 3,692 tonnes. 1043 tonnes were used to repair damage to driveway culverts that occurred due to frost action.

The following is the tonnage of asphalt acquired from each firm:

Island Construction	28,944.48
Dennis Construction	5,736.45
Chapman Construction	10,200.58
TOTAL	44,881.51

RESURFACING:

The following roads resurfaced with 3" lift of asphalt using a spreader:

Maintenance Budget	District	Length
Flat River	Zone #6	1.00km
Point Prim	Zone #6	1.00km
48 Road	Zone #6	1.00km
Pownal	Zone #6	0.50km
Montague Road	Zone #6	0.50km
Mason Road	Zone #7	1.00km
Wren Road	Zone #7	1.00km
Keppoch Road	Zone #7	1.00km
Glencoe Road	Zone #7	1.00km
Reddin Heights	Zone #7	0.50km
Fort Augustus	Zone #8	1.00km
Donaugh	Zone #8	0.50km
Tarantum	Zone #8	1.00km
Pisquid	Zone #8	1.00km
Donaldston	Zone #8	1.00km
Church Road	Zone #8	0.40km
Blooming Point Road	Zone #8	1.00km
Pleasant Grove	Zone #9	1.00km
Stanhope/Bayshore	Zone #9	1.00km
Suffolk	Zone #9	0.50km
Union Road	Zone #15	1.00km
Elliot Park	Zone #16	0.60km
MacKinley Drive	Zone #16	0.60km
Meadowbank	Zone #16	0.50km
West River	Zone #16	1.00km
New Argyle	Zone #17	1.00km
West River	Zone #17	1.30km
Loyalist Road	Zone #17	2.45km

Inkermann	Zone #17	1.40km
Appin Road	Zone #17	1.00km
Inkermann	Zone #17	1.00km
South Melville	Zone #17	1.00km
Glen Valley	Zone #17	1.00km
Bungay Road	Zone #18	2.84km
Rattenbury Road	Zone #18	1.00km
Fountain Road	Zone #18	1.00km
Graham's Road	Zone #18	1.00km
Campbellton	Zone #18	1.00km
Winsloe	Zone #18	1.00km

Crackfilling Report

This is a process whereby a hot rubberized compound is used to fill random cracks in the paved highway surface to prevent water from entering into substructure.

During the 1998 season, the region routed and sealed 64,841 metres of cracks. A total of 51.0 barrels of sealant and 69 bags of lime was used.

Seeding Report

The Department's hydro seeding crew carried out seeding operations of both the highway construction and maintenance sections. The seeding carried out for these sections provides funds for the operation of the crew. Through a pay-back system all expenses for labour, materials and equipment that are used in each fiscal year are charged back to individual projects.

The rate that the sections area charge for hydro seeding depends on the volume of work it receives. The more work, the lower the rate.

In recent years the rates have increased because of the decrease in the total area that is being hydro seeded each year. This reduction in area is a direct result of the number of rehabilitation projects being carried out that do not require seeding.

In 1997 the Department tendered for the following materials:

Lime	124 tonnes
Fertilizer	36 tonnes
Mulch	100 tonnes
Winter Rye	50 - 50 lb bags
Oats	50 - 50 lb bags
Grass Seed	400 - 50 lb bags

Guardrail Program

This year the region hired one guardrail crew. This crew was used to maintain worn out guardrail on various sections of the highway system across the region. Also, the crew used Whipper Snippers to cut grass and weeds around guardrails and guideposts in the district.

Grass Cutting

The Department used four (4) government owned farm tractors and one privately owned farm tractor equipped with a rotary or flail cutter to maintain 2,136 km of roadside grass cutting from June to September, 1998

Dust Control

In 1997, 62 tonnes of flaked calcium chloride was used on our unpaved road network for dust control. A total of 180,000 litres of liquid calcium chloride was applied for dust control in the following districts.

District	Litres
District #6	39,000
District #18	36,000
District #16 &17	36,000
District #7, 9, 15	30,000
District #8	39,000

Road Maintenance

During the past year, our District Motor Graders were used extensively to scrape and maintain our unpaved road network and to re-shape and reditch some others. To aid in the latter operation, loaders and trucks (department and private) were used to haul away unsuitable material. Sandstone and/or gravel was placed for a new surface material and new culverts, driveway or crosspipes were installed as required.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included department or privately owned ditching machines and sometimes department trucks but mainly privately owned trucks. Again, new culverts, driveway and crosspipes were installed as required.

District Maintenance crews, equipped with one 3 - ton truck and one backhoe, were employed in repairing washouts, installing new culverts to accommodate building permits, replacing and resetting other drainage pipes or culverts and carrying out many other miscellaneous tasks.

The following is the total materials used to carry out the above tasks of surfacing, repairing washouts and replacing drainage pipes:

Sandstone	Gravel	Culverts	Topsoil	Gabion Rock
25,423cm	6,175t.	10,356cm	580cm	325tonnes

The accompanying tables give the location and extent of work done in each district/zone (in kilometres) for the past year.

Zone 6	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Pownal Road	0.2						
McLennan Road							
Gay Road	0.2						
Seal River Road		0.3					
China Point Road	0.1						
Waterside Road					0.2		
Dykerman Road					0.1		
Center Earnscliffe Road					0.3		
Story Road					0.2		
Scentia Road	0.1						
McKenna Road							
MacLeod Road					0.2		
Dawson Road							
Selkirk Road							
New Cove Road							
Irving Road					0.1		
Point Prim Road							10.9
Glasbien Road							
Halliday Wharf							
Melville Road					0.3		
Gillis Road							1.5
Glencoe Road					0.3		
Vernon River Road						0.3	

Ryan Road			1.5				
Culloden Road							
Monaghan Road							
Glencoe Station		0.4					
Settlement Road							
Genter Road							
Klondike Road							5.0
Greys Road							6.0
Wood Islands Road							4.0
Village Green Road	0.3				0.8		7.0
Glencoe Road							
Old Georgetown Rd.							
Big Point Road							
Camp Buchanan				1.5	1.2		
Oceanview Road					0.1		
Ponds Road					0.1		
Iris Road					1.0		
Stewart Point							
Franks Road							
Dougan Road							
Trans Canada	0.2						
Roseberry Road							
Avondale Road							
48 Road							
Newtown Road	0.2						
Iona Road			0.2				7.0
Trans Canada	0.3						
County Line							

Zone 7	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Anne Cres.	0.04						
Beacon Hill	0.02						0.4
Belleview Road	0.05						
Brandy Lane	0.09						
Burhoe Sub.	0.05		0.03				
Clifton Rd.					0.06		
East River Drive	0.02						
Falcon Drive	0.03						
Ferguson Drive	0.035						
Glencove Drive	0.045						
Glen Stewart Dr.	0.1						
Humphrey Drive	0.02						
Kinlock Road			0.25				
Keppoch Road	0.06		1.95				
Keppoch Lane	0.075						
Marion Dr.	0.05						
Mason Rd.	0.06						
Rankin Subdivision	0.1						
Rosebank Road	0.035						
Sprucehill Dr.	0.045						
Tea Hill Road	0.05						
Upper Teal Hill Cr.	0.04						
Beacon Hill							

Zone 8	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Afton Road		1.2		4.3			1.8
Anderson Road							3.2
Avondale Road				.8			4.1

Bedford Road	1.1						2.8
Bethel Road		0.4		2.1			
Blooming Point Rd.		0.4					
Buell Road							1.8
Cape Briton Rd.		0.8					2.8
Donaldston Road							4.2
Donagh Rd.		1.4					
Dromore Road		0.8		5.1			4
East River Rd.							3.2
Feehan's Point Road		0.6					
Fort Augustus Road	2.4						6.2
Frenchfort Rd.		1.8					
French Village Road	2						
Higgin's Rd.				1.1	1.1	0.2	1.1
Jones Rd.				1.8			2
MacKinnon Pt. Road							
McEachern Road		1.6		1.6	0.2		1.6
Millcove Road							
Mini Farms Sub.		2.6	8			0.8	4.1
Monaghan Rd.							5.5
Mooney Road							
Mt. Herbert Road		0.4					1.1
Mt. Stewart	0.6	0.3					2.5
Pisquid Road	2	0.9					4.3
Portage Road	2.6			4.3	0.9		2
Queen's Pt. Road		2		2	1		3
Red Point Road							2.2
Robinson Rd.				1			
Savage Harbour	0.8	0.4					4
Simmon Lane Rd.		0.6					
Tarantum Road	0.4						3
Tracadie Harbour						0.2	

Watts Road							1.5
White Road		6		3.2			2.2

Zone 9	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Bayshore Road	0.15		0.1				0.4
Black River Rd.	0.35						1
Brackley Pt. Rd.							
Campbell Rd.		0.1			0.075		
Covehead Rd	0.1		0.085				
Cudmore Lane	0.03						
Eastern Road							
East Suffolk				0.3	0.25		
Friston Road		0.03			0.1		
Hardy Mill Rd.					0.2		0.6
Heartz Rd.		0.8		0.4			1
Horne Cross Rd.							
Jenkins Road	0.03						
MacMillan Pt. Rd.		0.03					1
MacWilliams Rd.	0.04					0.06	
Pleasant Gr. Rd	0.25						
Stanhope East Rd.	0.15		2.9				0.4
Stanhope Lane							
St. Peter's Rd.	0.25						
Suffolk Road	0.05	0.05			0.1		
York Road	0.3						
Yorkdale Estates	0.05						

Zone 15	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Brackley Pt. Rd.	0.03						
Harrington Sub.	0.025						
Horne Cross Rd		1		0.7	1.4		0.8
Killkenny Road	0.04	0.3		0.5	0.375		
Lwr Malpeque Rd	0.1						
MacKenzie Road		1			1.1		
Royalty Junction	0.06			0.3	0.2		1
Union Road	0.13		6.8				1.1
Winsloe Road	0.03		2.3				1.5

Zone 16	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
South Shore Rd.							8.2
Rice Point		.3		.1	Shale		
Rice Point Rd.							9.5
Camp Road		.1		.4	Shale		
Wharf Road							
Nine Mile Creek							
Highland Pk. Rd.				.6	Shale		2.1
Black Creek Rd.				.3	Shale		
Cumberland Rd.							
Lighthouse Rd.							1.4
Reservation Rd.							
Wharf Road							
Cross Road							1.4

Fairview Road							10.3
Darrach Road				.4	Shale		
Long Creek Rd.			2.0				2.6
Rd. to Oyster Shed							
Meadowbank Rd.			.4		Chips		6.7
Lwr. Meadowbank Rd.							4.8
Cottage Road							.2
Meadowbank							.3
High Point Road							1.0
Cornwall V			.4		Chips		
T. C. H.							
T. C. H.							
Ferry Road							3.9
York Point Road			0.2		Gravel		4.9
Ferry Road							
MacEwen Road							1.1
Cornwall Road							2.1
Lynnwood Road							
Kingston Road			0.3		Chips	Pipe	6.7
Lakeview Drive							
Warren Grove Rd..						Pipe	3.3
Mill Road							0.4
Moses Sub.							
Jewell Road	0.3						2.1
Molyneaux Road							1.5
Bannockburn Rd.			0.1		Chips		2.8
Hampshire Road			0.1				5.5
North York Pt. Rd							3.0

O' Connor Sub.			0.1		Shale		
Loyalist Road							3.9
Colville Road			0.1				3.8
Malpeque Road			0.5		Chips		
Elliot Park			3.3		Topsoil		
MacKinley Subdivision			0.3		Topsoil		

Zone 17	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
McCourt Road							
McCourt Road				0.2	Shale		
Millvale Road							
Old Princetown Rd.		0.1		0.1	Shale		1.5
Smith Road							
Old Town Road							
Rattenbury Road							
Graham' s Road							
Freetown Road							
Lime Rd. Emerald	.04						
Emerald Road				0.1	Chips		
Mill Road							
Breadalbane Rd.							
Post Office Road			0.1		Shale		
Brad Hill Road		0.2	1.0				
Dixon Road							
Mill Road							
Elton MacLean Rd.				0.1	Shale		

Glen Valley Road				0.6	Shale		
7 Keys Road		0.4		0.4	Shale		
Springton Road				0.4	Shale		
Weeks Road							0.9
Clyde Road		0.5		0.1	Gravel		
Dump Road			0.1				
Johnson Road		0.1		0.1	Shale		0.1
MacLeod Road							
Darlington Road							5.1
N. Wiltshire Road							6.9
Bannockburn Rd.	0.3						1.7
Baltic Road							
Kingston Road			0.6		Shale		10.0
Colville Road			0.2		Chips		8.0
Winn Road							2.7
Quinn Road							0.8
Peters Road		0.3		0.3	Shale		0.1
Clarkin Road		0.3		0.2	Shale		3.6
Riverdale Road							
Green Bay Road							
Bulger Park Rd.				0.3	Shale		
Green Road				0.1	Shale		
Mill Road							
Callaghan Road							
McKenna Road				0.2	Shale		
Currie Road				0.2	Shale		
Farrar Road				0.1	Shale		
Appin Road				0.3	Shale		
Todd Road							
South Melville Rd							
Maplewood Road							
Mill Road		0.1		0.1	Shale		

Ferguson Road		0.1		0.1	Shale		
Todds Road				0.2	Shale		
MacDonald Road		0.1		0.1	Shale		
Kellys Cross Rd.							
Ross Road				0.4	Shale	Pipe	
Collette Road							
Canfield Road							
Balaklava Road							
Westmoreland Rd.							
Crapaud Back Rd.							
Crapaud Road							
Victoria Road							
Argyle Shore Rd.							11.7
Bonshaw Road							3.5
MacQuarrie Rd.							
New Argyle Road				0.4	Shale		7.4
St. Catherines Rd.							3.2
Wharf Road							
Cameron Road				0.2	Shale		0.4
Argyle Road							
Shaw Road				0.5	Shale		0.3
MacQuarrie Rd.							
Long Creek							
Rice Point Road							8.1
MacEachern Rd.							
Clyde River Rd.			0.5				3.8
West River Rd.							5.7
Brookvale Road			0.2		Chips		
Osborne Road				0.6	Shale		

Kinkora Road							11.0
Canoe Cove							2.8
Line Road				0.3	Shale		0.5
Cottage Road				0.1	Shale		0.1

Zone 18	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Bumblebee		0.5	0.5				2
Buntain Rd.				0.3	0.3		
Camp Rd.				0.4	0.4		0.2
Campbell Rd.		0.5		0.5	0.5		0.4
Clinton - Rte. 6	0.3		0.6				1.2
Fountain Rd.			0.3				
French Village		0.3					
Grahams Rd.	0.2		0.2			0.1	
Kerrytown Rd.	0.3			2	2		4
Long River	0.2			0.2	0.2		
MacInnis				0.1	0.1		
MacQuarrie		0.3		0.5	0.5		
Mark's Rd.		0.4		0.3	0.3	0.06	
North Rd.		0.4		0.4	0.4		
Parker Rd.		0.4		0.4	0.4	0.05	
Pickering Rd.		1		1	1		
Snowie Rd.		0.5		0.5	0.5		0.2
St. Patrick's	0.5			0.5	0.5		
Thompson Pt.				0.2	0.2		0.4
Trout River		0.3					6
Union Rd.		0.5					
Wharf Rd.		0.3		0.5	0.5		0.5

CENTRAL REGION
WINTER MAINTENANCE

Winter activities, for this Branch of the Region, include salting and sanding operations, temporary repairs to paved road (530 tonnes of cold mix asphalt was used along with a number of tonnes of recycled hot mix asphalt produced from our asphalt recycler), repairing of shoulder washout, the maintaining and cleaning of culverts, catch basins and ditches to accommodate run-offs caused by freshets, and snow removal or clearing from eight government buildings in the Charlottetown area.

The total tonnage of salt purchased by the Region was 15,625.17 tonnes.

The City of Charlottetown purchased 2,878.54 tonnes of salt from the Department.

The Region purchased 42,798.59 tonnes of blended winter sand. The blended material consisted of 6% salt, 20% crushed 1/4 minus stone and 74% local sand. The City purchased 263.0 tonnes of blended sand for its' use.

Ice control on the main 185 kilometers of highway, that has a two lane equivalent of 249 kilometers, was maintained by the direct application of road salt. Four single axle trucks and four tandem trucks, two, of which, were equipped with plowing gear and utilized for this purpose. Ice control on the remaining 1,625 kilometers of road (approximately) was maintained by sand/salt mix obtained from 12 sand stockpiles throughout the County. Twenty-two trucks, equipped with automatic spreaders, were hired to carry out this activity. In addition, five department trucks were utilized to provide this service in the greater Charlottetown area and Town of Stratford.

WINTER PLOWING

The total snowfall recorded for the 1998-1999 season for Charlottetown was as follows:

CHARLOTTETOWN

MONTH	RECORDED (cm)	NORMAL (cm)
November '98	18.2	24.5
December '98	37.8	75.4
January '99	36.2	77.2
February '99	30.0	65.3
March '99	32.9	58.5
April '99	40.3	31.6

In Charlottetown, the heaviest snowfall occurred on December 18, 1998, when a total of 17.2 centimetres was recorded.

The following is a breakdown of the contract lists for the second year of a three-year contract with private contractors and a list of equipment used by each.

CONTRACT AREA 1

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truck(s)
AK Construction.	64.64	Zone 17	-	1	1	2
Island Construction	156.36	Zone 8	3	1	1	2
Island Excavators	98.05	Zone 17 & 19	3	2	1	2
Matheson Constr.	91.91	Zone 17	-	2	1	3
Cecil Pauley Const.	56.66	Zone 6	1	1	1	2

CONTRACT AREA 2

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truck(s)
Birt & MacKay	76.22	Zone 8	-	1	1	3
Maritime Const.	108.34	Zone 17 & 18	-	1	1	4
Matheson & MacMillan	94.47	Zone 9, 18	1	-	1	4
Toombs Plumbing & Heating	34.45	Zone 18	-	1	-	1

The Region's Government owned equipment was responsible for plowing 761kilometres this year. To this end, 74 routes were established. The following equipment, including spare equipment, was assigned and located as follows:

Location	Graders	Blowers	Loaders	Trucks
TCH West				2 Tandems
St. Peter Road				1 Tandem
TCH East				1 Tandem
Malpeque Road				1 Tandem
Bedeque/ Kingston Road				1 Tandem
Stratford	1		2	
Sherwood	1			
Fredericton to Milton *Rental*				1- 4x4
Pownal/Crossroads			1	
Stanley Bridge/North Rustico	1			
Rice Point/Rocky Point	1			

Rocky Point/Cornwall Road/Meadowbank Rd.				1- 4x4
Cornwall/North River	2		1	
Rustico Road				1- 4x4
Southport/Kinlock	1			
Wood Islands Area	1			
Selkirk Road/Vernon River				1- 4x4
Selkirk Road/Bellevue/ Caledonia				1- 4x4
Point Prim/Pinette	1			
Kinross/ Earnscliffe				1- 4x4
TCH East				1 Tandem
Covehead	1			1- 4x4
Charlottetown Garage (Includes Covehead&Bedeque Runs)	4	4	6	
Loader - Sand Pile			1	
Loader - Salt Shed *Rental*			1	
Garage Spares	1		1	1
Total	**15**	**4**	**13**	**15**

SNOW FENCE REPORT

The Region's own forces installed 3,050 metres of snow fence.

WESTERN REGION
SUMMER MAINTENANCE

Hot mix asphalt was available from May to November. A total of **32,500** tonnes was used by the Section in repairing the Region,s highway network. Nine zone crews spread **6,325** tonnes to repair potholes, recap culverts, and distressed areas.

Two spreader crews re-surfaced **42** kilometres of paved roadways with **23,140** tonnes of asphalt mix.

Two Deep Patch crews spread **3,033** tonnes of asphalt mix to repair severely damaged sections of roadway and to recap cross culverts.

The following is the tonnage of asphalt acquired from each firm:

Supplier:	**Tonnes**
Gaudettes Transit Mix	**528.0**
HI Construction	**10889.0**
Curran & Briggs	**21082.0**
Total.....	**32,499.0**

BUSH CUTTING

During the season, two mechanical bush cutters, government owned and operated, worked extensively cutting bushes along our rights-of-way. In the Western Region, they cut 2,740 pass kilometres. To supplement these efforts, a crew equipped with a mechanical chipper was employed to gather and shred scattered debris and to trim where mechanical cutters could not reach.

The following is the number of kilometres of bush cutting using mechanical bush cutters by electoral zone for the Region:

District	Pass Km
Zone 19	240
Zone 23	298
Zone 24	722
Zone 25	642
Zone 26	353
Zone 27	485
Total	2740

GRASS CUTTING

The Region contracted 9 private grass cutters to maintain 786 kilometres of paved roadside grass cutting from mid-June until the end of September. The remaining 454 kilometres of roadside grass cutting was carried out by three government owned and operated farm tractors equipped with rotary or flail cutters.

GUARDRAIL AND ROADSIDE MAINTENANCE

Two roadside crews were employed within the Region to repair damaged and / or worn out sections of guardrail. Also, these crews with the aid of whipper snipper and hand lawn mowers cut grass and weeds around guardrails and guideposts in each zone.

DUST CONTROL

Flaked Calcium Chloride: Fifty-six tonnes of flaked calcium chloride were used on our unpaved network to control dust within the Region.

Liquid Calcium Chloride: This past season, 30600 Litres of 35 % liquid calcium solution, was applied by tanker and spray bar to various granular surfaced roads within the Region at an average application rate of **4,500** litres per kilometre.

This practice has produced a number of positive results, such as, (1) increased safety due to dust control, (2) reduction in dust pollution to crops, (3) reduction in the need for grading, (4) reduction in the need for new granular, and (4) less frost heaving in winter.

ROAD MAINTENANCE

During the past year, our zone motor graders were used extensively to scrape and maintain our unpaved road network and to reshape and reditch worn out sections. To aid in the latter operation, loaders and trucks (Department and/or private) were used to haul away unsuitable material. Sandstone and /or gravel was placed for a new surface and new culverts, driveways and cross pipes were installed as required. To help alleviate soil erosion, check dams silt fences and/ or hydro seeding was used as the situation warranted.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately owned ditching machines along with Department and / or privately owned trucks. Again, new culverts, driveways and cross pipes were installed as required.

The zone maintenance crews, when not doing asphalt work, were employed in repairing washouts, installing new culverts to accommodate building permits, replacing and resetting other drainage culverts, and carrying out any other maintenance tasks that may be required.

The quantities of sandstone and/or gravel used for maintenance related projects for the Region are as follows:

Sandstone (M3)	**Gravel** (Tonne)
14960	16808

The accompanying tables give the location and extent of work done in each Zone for the past year:

Zone 19	**Ditching**		**Other Maintenance Activities**				
NAME OF ROAD	**Paved**	**Unpaved**	**Shoulders**	**Graded**	**Surfaced**	**Tap Drains**	**Bush Cutting**
Lord's Pond Rd		0.2		0.2	0.2		
Campbells Road		0.5		0.5	0.5		
River Road		0.8		0.8	0.8		
Albany Dump Road		0.9		0.9			
MacQuarrie Road		0.35		0.35	0.35		
Craig Road		0.5		0.5	0.5		
Lecky Loop		0.5			0.5		
MurphyRoad		0.5			0.5		
Miscellaneous	2.0	1.0					
TOTAL	2.0	5.25		3.25	3.35		

Zone 20	Ditching		Other Maintenance Activities				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Blackhorse		1.3		1.3	1.3		
Roach					0.2		
Heckbert Road					2.1		
Bryanton		0.4		0.4	0.4		
Princetown		0.3					
Adam County Line		1.2		1.2	1.2		
Compton		0.5					
MacEachern/ Ramsay		0.5					
County Line/Margate		1.4		1.4	1.4		
Miscellaneous	1.0						
TOTAL	1.0	5.6		4.3	6.6		

Zone 23	Ditching		Other Maintenance Activities				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Lord's Pond Rd		0.2		0.2	0.2		
Campbells Road		0.5		0.5	0.5		
River Road		0.8		0.8	0.8		
Albany Dump Road		0.9		0.9			

MacQuarrie Road		0.35		0.35	0.35		
Craig Road		0.5		0.5	0.5		
Lecky Loop		0.5			0.5		
MurphyRoad		0.5			0.5		
Miscellaneous	2.0	1.0					
TOTAL	2.0	5.25		3.25	3.35		

Zone 23	**Ditching**		**Other Maintenance Activities**				
NAME OF ROAD	**Paved**	**Unpaved**	**Shoulders**	**Graded**	**Surfaced**	**Tap Drains**	**Bush Cutting**
Conway Road	0.4	1.5		1.5	1.5	400 m	
Veale Road		0.4		0.4	0.4		
Nebraska Road					0.7		
Peter Bulger Road		0.7			0.3		
MacInnis Road		0.9			0.4		
Sunnyside Rd	0.2						
Trout River Rd	0.3						
Richards Road	0.3						
Praught Road		0.5					
Lot 16 Road	0.4						
Miscellaneous	0.8	0.6					
TOTAL	2.4	4.6		1.9	3.3	400 m	

Zone 24	Ditching		Other Maintenance Activities				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Ives Point Rd		1.2		1.2	2.1		
Taddy Road		1.2		1.2			
St. Chrystome	0.9						
Richard Road					0.7		
Urbanville Road	0.4						
Wellington Rd	0.5						
St.Raphael Rd	0.6						
St. Nicholas Rd	0.7						
Barlow Road		0.4		0.4			
Union Corner Rd	0.3						
Cyrus Lane	0.5						
Miscellaneous	0.7	0.3					
TOTAL	4.6	3.1		2.8	2.8		

Zone 25	Ditching		Other Maintenance Activities				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Joe Jerry Road		1.9		1.9	1.0		
Shaw's Lane		0.4		0.4	0.4		
Doyle Road		1.5		0.5	0.5		
Brae Harbour					0.4		
West Point Dunes					0.3		
Trainor Road					0.3		

Knutsford Road	0.5						
Coleman Road	0.7						
Glenwood Road	0.8						
Jack Ellis Road		0.5					
Corcoran Road					0.1		
Dock Road					0.1		
Miscellaneous	0.5	0.6					
TOTAL							

Zone 26	**Ditching**		**Other Maintenance Activities**				
NAME OF ROAD	**Paved**	**Unpaved**	**Shoulders**	**Graded**	**Surfaced**	**Tap Drains**	**Bush Cutting**
Old Tom Road		1.0		1.0	1.0		
Cape Gage Rd		0.3			0.3		
Knox Lane		0.5			0.5		
Dock road	1.1						
Roseville Road	0.4						
Miscellaneous	0.4	0.6					
TOTAL	1.9	2.4		1.0	1.8		

Zone 27	Ditching		Other Maintenance Activities				
NAME OF ROAD	Paved	Unpaved	Shoulders	Graded	Surfaced	Tap Drains	Bush Cutting
Lamb's Lane		0.2		0.2	0.2		
Mill Road					1.0		
Matthews Lane					0.6		
St. Rock	0.3						
Shore Rd/Pleasantvie	0.7						
Palmer Road	0.3						
Nail Pond Shore					0.3		
Knox Lane					0.7		
Miscellaneous	0.4	0.3					
TOTAL	1.7	0.5			2.8		

WESTERN REGION
WINTER MAINTENANCE

ICE CONTROL

Winter activities in the Region included salting and sanding operations, temporary repairs to paved roads 500 tonnes of cold mix asphalt were used along with a number of tonnes of recycled hot mix asphalt produced from our one asphalt recycler, repairing of shoulder washouts, and maintaining and cleaning of culverts, catch basins and ditches to accommodate run-offs caused by freshets.

The total tonnage of salt acquired was **5928** tonnes for the region.

The Region purchased **34,000** tonnes of blended winter sand. The blended material consisted of 6 percent salt, 30 percent crushed ¼ minus stone and 60% local sand. This material was stored at nine (9) sand piles located throughout the Region.

Ice control on the main 180 kilometres of highway in the region, that has a two-lane equivalent of 260 kilometres was maintained by the direct application of road salt. One single axle truck and five tandem trucks, equipped with plowing gear, were utilized for this purpose. Ice control on the remaining approximate 1225 kilometres of highway was maintained by a sand/ salt mix. Sanding operations were carried out by 21 spreaders. In addition, two department trucks were utilized to provide this service in the Linkletter and in Lower New Annan. One Department tandem equipped with plow gear sanded 22.0 kilometres of Route 225 starting at Route 1A.

WESTERN REGION

The Department was responsible for plowing 493.1 kilometers of highway

Location	Kms	Graders	4x4 trucks	Blowers	Loaders	Trucks
Tignish	40.7			2		1
Harper Rd	28.4	1				
Cascumpeque	44.6		1		1	
Bloomfield	45.8					1
Coleman	38.2	1				
Poplar Grove	31.3	1				
Springhill	30.7	1				
Richmond	40.9					1
Albany	27.9		1			
Middleton	22					1
S'Side Garage	112.3				1	2
S'Side Spares		2	1	3	1	1
Total	**493.1**	6	4	5	3	7

WINTER PLOWING

Total snowfall accumulations recorded at Environment Canada recording stations in the western region were:

	Recorded (cm)			
Month	**Alberton**	**O'Leary**	**Summerside**	**Tyne Valley**
November '98	5.5	13.0	6.0	15.0
December '98	42.2	60.0	34.0	8.0
January '99	54.1	57.0	46.0	48.0
February '99	18.5	22.0	10.0	18.0
March '99	89.8	114.0	65.2	35.0
April '99	50.7	39.0	n/a	49.0

The heaviest snowfall for the western region was recorded on March 7, 1999 at the O'Leary recording station with a total of 42.0 cms.

SNOW FENCE REPORT

The Department was responsible for putting up **2100** metres of snow fence.

The following is a breakdown of the contract areas of the 3rd year of a three year contract with the private contractors and a list of equipment used by each:

SNOW PLOW REPORT - AREA 2

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truckplow
Clearview Construction	144.3	Zone 27	2	2	2	5
Harper Construction	84.80	Zone 26	1	1	2	2
HI Construction	91.20	Zone26/25	3	2	1	2
Matthews Lime Spreading	93.51	Zone 25	2	1	1	3
Curran & Briggs	164.26	Zone 23	6	2	2	
AJL Limited	37.72	Zone 24	3	1	1	
Acadia Construction	111.20	Zone24/22	4	2	2	
Westile Construction	95.29	Zone 20,19,22	2	1	1	2
A.K. Construction	152.08	Zone 20/18	2	2	3	5
Duffy Construction	82.60	Zone19/18	1	1	1	

BRIDGE MAINTENANCE REPORT

Bridge Maintenance Section is responsible for the following areas:

- bridges, timber boxes, multi-plated arches, retaining walls approach rip rap, guardrail located on bridge approach embankments etc.

- environmental procedures during construction
- development and updating a year by year
- highway bridge maintenance program
- overseeing the materials required during the construction year and ordering materials for the next
- structural inventory
- structural inspections
- design and location of small drainage structures
- special provisions and standing offer contract for bridge maintenance

In addition to maintenance work consisting of replacing fill and rip-rap, making small structural repairs and painting, the following is a summary of the work carried out during the 1998-99 fiscal year:

KING'S COUNTY

District	Location	Description
1	Bayfield	Installed a multi-plated steel arch being 1.83m in diameter by 18.29m in length.
2	Milburn	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
3	Brudenell	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
3	St. Teresa	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.

4	Montague	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
5	Alliston	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
5	Gladstone	Constructed a timber box being 1.22m x 4.88m in section by 4.88m in length.
5	Pt Pleasant	Reconstructed a timber box being 0.91m x 1.52m in section by 23.16m in length.

QUEENS COUNTY

District	Location	Description
8	Bethel	Constructed a three wall timber box being 0.91m x 2.44m in section by 8.23m in length.
9	Cass Pond	Replaced two steel Pipes being 2.44m in diameter by 27.43m in length with two concrete pipes being 1.83m in diameter by 27.43m in length.
16	North River	Constructed a timber catch basin being 1.22m x 1.37m in section by 3.66m in length.
17	Stanchel	Constructed a timber box being 1.22m x 1.83m in section by 36.58m in length.

17	Elliotts	Constructed a timber box being 0.91m x 2.74m in section by 9.14m in length.
18	Millvale	Constructed a timber box being 0.91m x 2.74m in section by 9.75m in length.
18	Sea View	Replaced a 1.22m diameter steel pipes being 6.10m in length with two 1.22m diameter steel pipes being 12.19m in length.
18	Sea View	Constructed a timber box being 0.91m x 1.52m in section by 9.75m in length.
18	Ebenezer	Constructed a timber box being 0.91m x 1.52m in section by 7.92m in length.

PRINCE COUNTY

District	Location	Description
19	Kinkora	Constructed a three wall timber box being 0.91m x 2.13m in section by 10.67m in length.
19	Kinkora	Constructed a timber driveway box being 0.91m x 1.52m in section by 10.97m in length.
19	Augustine Cove	Constructed a three wall timber box being 1.22m x 2.44m in section by 7.92m in length.

19	North Carleton	Constructed a timber driveway box being 0.61m x 0.91m in section by 9.14m in length.
20	Hamilton	Constructed a timber box being 1.22m x 1.83m in sectionby 14.02m in length.
20	Norboro	Constructed a timber driveway box being 0.76m x 1.52m in section by 14.02m in length.
23	Arlington	Constructed a timber box being 0.76m x 1.83m in section by 7.92m in length.
23	Freeland	Constructed a timber box being 0.91m x 1.52m in section by 30.48m in length.
23	East Bideford	Constructed a timber box being 0.91m x 1.22m in section by 36' in length.
27	Skinners Pond	Constructed a timber box being 0.61m x 1.22m in section by 10.97m in length.

TREATED TIMBER

The value of treated and untreated timber purchased by the Bridge Section for its maintenance and construction projects for the 1998-99 season was as follows:

Company	Value
Stella. Jones Inc. Truro NS	$110,763.90
John G. MacPherson Eldon	$11,184.00
TOTAL	**$121,947.90**

Steel

The value of steel purchased by the Bridge Maintenance Section for its maintenance and construction projects for the 1998-99 season was as follows:

Company	Value
Atlantic Hy-Span (arch)	$ 53,083.09
Atlantic Hy-Span (Guardrail)	$74,275.00
TOTAL	**$127,358.09**

Environmental Permits

Applications for Watercourse/Wetland Alteration Permit applied for by the Bridge Maintenance Section were:

REGION	NEW PERMITS	RENEWALS	TOTAL
Kings	16	15	31
Queens	15	13	28
Prince	15	11	26
Approximate number permits received for 1998			85

The Bridge Maintenance Section has developed, and continues to have, an excellent working relationship with various environmental agencies, wildlife organizations, Provincial Department of Environment & Technology and the Federal Department of Fisheries and Oceans.

MECHANICAL BRANCH

Expenditures

Operating expenditures for the Mechanical Branch in 1998-99 totalled $8,292,240, an increase of approximately $110,000 over 1997-98 expenditures of $8,182,076. The increase in costs was due to unusual spring storms at the start of the year, increased summer asphalt activities, additional vehicle purchases, (including crew cab trucks to reduce rental costs to the Maintenance Division), and the purchase of additional sand hoppers.

1998-99 expenditures were distributed in the following manner:

Activity Centre	Total
Charlottetown Garage Direct	$3,272,080
Charlottetown Garage Indirect	$1,116,609
Summerside Garage Direct	$1,044,155
Summerside Garage Indirect	$ 156,495
Prince County Operators	$ 794,461
Queens County Operators	$1,186,600
Kings County Operators	$ 721,840
Total	$8,292,24

Equipment

In 1998-99 a total of $78,296 from capital and operating accounts was invested to upgrade the Mechanical Branch fleet. The following equipment was purchased:

2 Tandem Trucks - all season dump and plow gear required for one
1 Asphalt roller
5 Crew cabs with dumps
1 3/4 ton Service truck
6 Automatic sand hoppers
1 All season spreader dump
1 One way plow for grader efficiency
6 1-ton dump boxes

Each year this report tables the average fleet age as an indicator of the progress of the fleet replacement program. The ideal number in the *"% Units Over Half Age"* column is 50%. At any given time, half of the vehicles in the fleet should be older than, and half younger than,

50% of the optimum replacement age. The table shows that the Mechanical Branch fleet still is over age and identifies the problem areas. When compared to last year it shows a decline in fleet age and condition.

1998/99 FLEET AGE INDICATORS

Fleet	Optimum Life	Target Average Age	Actual Average Age	% Units Over Half Age
Light Truck	6	3	5.08	57.4%
4 Ton	9	4.5	7.2	81.3%
Tandem	9	4.5	6.6	50.0%
4x4	20	10	12.1	65.0%
Grader	21	10.5	14.5	66.6%
Loader	19	9.5	16.3	73.3%
Blower	20	10	20.8	100%
Tractor	20	10	11.8	50%
Excavator	15	7.5	11	100%
Trailer	15	7.5	12.9	57.0%

The mechanical shop rate was calculated to be $44.61 per hour, an increase of under $2.00 per hour from the previous year.

Key Result Areas

The 1997-98 Annual Reportidentified that the Mechanical Branch had formally established a number of key result areas. Achievements of key result areas in 1998-99 were as follows:

i) Equipment Availability

This key result area is an indicator of the availability of equipment when acquired by our clients. The measure is in the percentage of vehicles which are not available when required (RNA). The target is less than 1% of primary assets and the result for 1998/99 was .02%. This converts to 99.3% availability of equipment as required.

ii) Financial Control

The measure for financial control is budget achievement. The target is 100% achievement of budget. In 1998-99, expenditures exceeded budget by an amount of $505,440. The variance was the result of over expenditures in fuel, tires and parts as a result of increased operational demands, eg., increased service levels on Trans Canada Highway, Route 2 & Route 225. This meant the addition of three trucks & operators. In addition to this the Department's fleet was increased with the addition of five 5 crew cabs.

ii) Productivity

The productivity indicator is an indicator of mechanic time which is assigned to work orders. The target is 82.8%. This is based on an estimated loss through vacation, sick and training time of approximately 10% and a further allowance for cleanups, meetings and slow periods. The result in 1998/99 was 81.5% as calculated through the Inventory Management System.

iv) Safety

The target in this area of safety is zero lost time incidents per year. In 1998-99 the Mechanical Branch experienced five lost time incidents (Charlottetown-4; Summerside-1) which is a reduction of one incident at the Charlottetown Garage & an increase of one at the Summerside Garage from the previous year.

v) Training

The Mechanical Branch has established training as a priority and this year we continued to provide training in the following areas:

- First Aid & CPR
- Preventative Maintenance & Pre-Trip Inspection
- Wheels & Rims Maintenance
- Rules of The Road
- WHIMIS
- Safety Attitude & The Human Factor
- Pros Do It Right
- Air Brake Maintenance

All of the above training was provided by employees from within the Branch. We will continue to provide a variety of training in the years to come.

STATEMENT OF ORDINARY EXPENDITURES				
Year Ending March 31, 1999				
DEPARTMENTAL MANAGEMENT				
EXECUTIVE OFFICE				
Salaries	264,574			
Office & Postage	3,033			
Tel & Tel	14,565			
Miscellaneous	8,471			
Equipment	21,269			
Materials & Supplies	6,392			
Professional Services	14,893			
Travel & Training	28,289			
Total Executive Office		361,486		
ENVIRONMENTAL MANAGEMENT				
Salaries	275,019			
Office & Postage	3,173			
Tel & Tel	3,782			
Miscellaneous	2,043			
Equipment	13,104			
Materials & Supplies	3,102			
Professional Services	1,120			
Travel & Training	41,627			
Total Environmental Management		342,970		
FINANCE, HUMAN RESOURCES &				
OPERATION - DIRECTOR'S OFFICE				
Salaries	176,711			
Office & Postage	1,541			

Tel & Tel	5,139			
Miscellaneous	518			
Equipment	2,995			
Professional Services	1,500			
Travel & Training	7,133			
Total Finance, Human Resources &				
Operation - Director's Office		195,537		
FINANCE SECTION				
Salaries	185,831			
Office & Postage	8,433			
Tel & Tel	6,617			
Miscellaneous	1,891			
Equipment	12,522			
Materials & Supplies	9,279			
Professional Services	21,592			
Travel & Training	4,718			
Total Finance Section		250,883		
HUMAN RESOURCES SECTION				
Salaries	348,798			
Office & Postage	1,303			
Tel & Tel	3,620			
Miscellaneous	755			
Equipment	33,336			
Materials & Supplies	7,162			
Professional Services	217,554			
Travel & Training	13,777			
Total Human Resources Section		626,305		
HIGHWAY SAFETY DIVISION				

HIGHWAY SAFETY - ADMINISTRATION				
Salaries	80,902			
Office & Postage	908			
Tel & Tel	48,507			
Miscellaneous	21,038			
Equipment	60,926			
Materials & Supplies	3,463			
Professional Services	33,844			
Travel & Training	6,326			
Total Highway Safety - Administration		255,914		
PROMOTION HIGHWAY SAFETY				
Salaries	427,171			
Office & Postage	6,330			
Tel & Tel	283			
Miscellaneous	1,383			
Equipment	5,376			
Materials & Supplies	66,356			
Professional Services	4,134			
Travel & Training	24,134			
Total Promotion Highway Safety		535,167		
REGISTRATION & LICENSING				
Salaries	665,740			
Office & Postage	22,588			
Tel & Tel	1,947			
Miscellaneous	1,906			
Equipment	14,925			
Materials & Supplies	89,107			
Professional Services	21,575			

Travel & Training	16,259			
Total Registration & Licensing		834,047		
RECORDS				
Salaries	144,681			
Total Records		144,681		
SUMMERSIDE				
Salaries	211,032			
Travel & Training	2,118			
Total Summerside		213,150		
HIGHWAY SCALES				
Salaries	404,279			
Office & Postage	346			
Tel & Tel	2,563			
Miscellaneous	587			
Equipment	32,256			
Materials & Supplies	15,608			
Professional Services	7,865			
Travel & Training	12,207			
Total Highway Scales		475,711		
TOTAL DEPARTMENTAL MANAGEMENT			4,235,851	
HIGHWAY MAINTENANCE				
DIRECTOR'S OFFICE				

Salaries	198,508			
Tel & Tel	3,192			
Miscellaneous	203			
Equipment	345			
Materials & Supplies	2,529			
Professional Services	880			
Travel & Training	77,659			
Total Director's Office		283,316		
WESTERN REGION ADMINISTRATION				
Salaries	314,570			
Office & Postage	3,267			
Tel & Tel	16,740			
Miscellaneous	260			
Equipment	14,506			
Materials & Supplies	5,431			
Travel & Training	47,897			
Total Western Region Administration		402,671		
CENTRAL REGION ADMINISTRATION				
Salaries	290,167			
Office & Postage	8,222			
Tel & Tel	12,498			
Miscellaneous	3,015			
Equipment	37,387			
Materials & Supplies	4,822			
Travel & Training	70,735			
Total Central Region Administration		426,846		
EASTERN REGION ADMINISTRATION				

Salaries	350,421			
Office & Postage	1,109			
Tel & Tel	13,390			
Miscellaneous	144			
Equipment	19,160			
Materials & Supplies	11,427			
Travel & Training	84,398			
Total Eastern Region Administration		480,049		
HIGHWAY MAINTENANCE - ZONE				
OPERATIONS				
Salaries	1,880,348			
Materials & Supplies	832			
Travel & Training	57,427			
Total Highway Maintenance - Zone				
Operations		1,938,607		
HIGHWAY MAINTENANCE - ZONE				
OPERATIONS				
Salaries	2,556,829			
Administration	344			
Materials & Supplies	5,051			
Professional Services	660			
Travel & Training	66,990			
Total Highway Maintenance - Zone				
Operations		2,629,874		
HIGHWAY MAINTENANCE - ZONE				
OPERATIONS				
Salaries	1,836,231			

Materials & Supplies	1,715			
Travel & Training	32,140			
Total Highway Maintenance - Zone				
Operations		1,870,086		
WESTERN REGION SUMMER MAINT				
Materials & Supplies	1,441,660			
Professional Services	19,214			
Total Western Regon Summer Maint		1,460,874		
CENTRAL REGION SUMMER MAINT				
Salaries	19,898			
Administration	190			
Materials & Supplies	3,646,935			
Professional Services	36,281			
Travel & Training	2,420			
Total Central Region Summer Maint		3,705,724		
EASTERN REGION SUMMER MAINT				
Salaries	3,561			
Administration	528			
Equipment	8,432			
Materials & Supplies	1,805,170			
Professional Services	26,007			
Travel & Training	43			
Total Eastern Region Summer Maint		1,843,741		
WESTERN REGION WINTER MAINT				

Salaries	293,557			
Materials & Supplies	1,016,668			
Professional Services	2,224,305			
Total Western Region Winter Maint		3,534,530		
CENTRAL REGION WINTER MAINT				
Salaries	833,013			
Administration	47			
Materials & Supplies	1,483,587			
Professional Services	1,621,060			
Travel & Training	3,788			
Total Central Region Winter Maint		3,941,495		
EASTERN REGION WINTER MAINT				
Salaries	323,769			
Materials & Supplies	880,719			
Professional Services	943,974			
Travel & Training	2,880			
Total Eastern Region Winter Maint		2,151,342		
MECHANICAL - GOV'T GARAGE				
Salaries	5,508,672			
Equipment	221,188			
Materials & Supplies	2,785,544			
Professional Services	727,651			
Travel & Training	96,728			
Tel, Radio & Taxes Admin	109,770			
Total Mechanical - Gov't Garage		9,449,553		

BRIDGE MAINTENANCE				
Salaries	329,774			
Administration	541			
Materials & Supplies	369,361			
Professional Services	249,375			
Travel & Training	13,437			
Total Bridge Maintenance		962,488		
HILLSBOROUGH BRIDGE				
Professional Services	1,709,430			
Total Hillsborough Bridge		1,709,430		
TOTAL HIGHWAY MAINTENANCE			36,790,626	
PUBLIC WORKS OPERATIONS				
DIRECTOR'S OFFICE				
Salaries	73,375			
Office & Postage	1,041			
Tel & Tel	1,716			
Miscellaneous	91			
Travel & Training	1,104			
Total Director's Office		77,327		
PUBLIC WORKS ADMIN				
Salaries	531,398			
Office & Postage	1,699			
Tel & Tel	14,320			

Miscellaneous	225			
Equipment	26,499			
Materials & Supplies	7,044			
Professional Services	1,748			
Travel & Training	42,699			
Total Public Works Admin		625,632		
TELECOMMUNICATIONS ADMIN				
Salaries	238,191			
Office & Postage	1,107			
Tel & Tel	112,263			
Miscellaneous	389			
Equipment	32,383			
Materials & Supplies	1,734			
Travel & Training	8,529			
Total Telecommunications Admin		394,596		
MAINTENANCE OF BUILDINGS				
Dr. Eric Found Health Centre	128,305			
Shaw & Sullivan Buildings	1,758,266			
Jones Building	565,851			
Province House	170,273			
Province House Annex	29,111			
Government House	350,429			
Customs House	40,535			
Portable Classrooms	12,494			
Coles Building	106,054			
Prince County Jail & Courthouse	100,164			
Summerside Youth Centre	358,425			
Provincial Correctional Centre	231,072			
Montague Office Complex	67,411			
Southern Kings/Queens Reg. Serv. Centre	101,178			

West Prince Reg. Serv. Centre	47,357			
French Museum	12,692			
Kings County Courthouse	23,920			
Wood Islands VIC	53,832			
Scale House	32,329			
Forestry Depot - Queens	18,480			
Belmont St. Warehouse	8,401			
Kings Bi-Way VIC	41,637			
Cavendish VIC	40,639			
Bunbury Nursery	2,608			
Vet Clinic O'Leary	16,315			
Southern Kings Highway Depot-B'town	7,176			
Alberton Courthouse	22,035			
Forestry Depot - Prince	13,194			
Forestry Depot - Kings	14,251			
Lady Slipper VIC	27,671			
Brackley VIC	16,991			
Basin Head Museum	17,300			
Orwell Corner Museum	3,061			
The Ark	8,219			
Portage VIC	9,514			
Tyne Valley Youth Centre	42,213			
Georgetown Youth Centre	49,085			
Green Park Historic Site	7,663			
Potato Service Bldg. - Kensington	24,736			
Sign Shop - Tignish	18,831			
Highways Material Testing Lab	13,414			
Total Maintenance of Buildings		4,613,082		
DISTRICT HEATING				
Materials & Supplies	71,675			
Professional Services	2,270,908			
Total District Heating		2,342,583		

RENT OR LEASED PREMISES				
VIC Airport	9,819			
Summerside Disinfection Station	6,000			
Provincial Records Centre	24,613			
O'Leary Dental Clinic	3,066			
Albany Warehouse-Lafarge Canada	22,810			
Harbour Quay-Summerside	22,169			
Upton Road	26,845			
Cavendish Cottage	4,919			
Kensington Community Centre	2,730			
Tignish Health Co-op	4,996			
Farm Centre	23,645			
Firearms Office-Maypoint Plaza	20,399			
Royalty Mall	17,800			
Evangeline Reg. Serv. Centre	33,558			
Johnston Building	16,817			
Johnny Ross Young Reg. Serv. Centre	198,305			
Research Station	194,088			
Summerside Waterfront Development Corp	113			
Queens Region Health Authority-Ellis Bros	379,871			
Health Agency-Younker, Roche Bldg	298,483			
Media Centre-Basilica Rec. Centre	52,397			
Provincial Library-Morell	166,687			
St. Paul's Rectory	36,872			
Holland College	58,091			
Albert Thomas Bldg	79,051			
Sherwood Fire Hall	204,472			
Concorde Bldg	189,173			
Davies Law Courts	831,537			
East Prince Reg. Serv. Centre	1,665			
Highway Safety Office	137,620			
Stonehouse VIC	63,055			
Cambridge Bldg	167,461			
Fisheries Warehouse	38,111			

Georgtown Office	31,086			
Access PEI - Summerside	519,983			
Total Rent or Leased Premises		3,888,807		
PROPERTIES & SURVEYS				
Salaries	546,021			
Materials & Supplies	84,343			
Prop Taxes of Prov-Owned Property	48,281			
Control Survey Network Maint., Legal Fees				
& Contract Services	15,110			
Equipment	43,245			
Tel & Tel	11,175			
Office & Postage	2,184			
Miscellaneous	3,133			
Crown Land	58,874			
Travel & Training	41,210			
Total Properties & Surveys		853,576		
TOTAL PUBLIC WORKS OPERATIONS			12,795,603	
TRAFFIC OPERATIONS				
TRAFFIC OPERATIONS - WESTERN REG				
Salaries	240,442			
Office & Postage	41			
Tel & Tel	382			
Miscellaneous	15			
Equipment	2,188			
Materials & Supplies	180,865			
Professional Services	890			
Travel & Training	18,127			

Total Traffic Operations - Western Reg		442,950		
TRAFFIC OPERATIONS - CENTRAL REG				
Salaries	350,340			
Tel & Tel	1,692			
Equipment	3,987			
Materials & Supplies	615,076			
Professional Services	8,388			
Travel & Training	29,626			
Total Traffic Operations - Central Reg		1,009,109		
TRAFFIC OPERATIONS - EASTERN REG				
Salaries	229,675			
Equipment	10,736			
Materials & Supplies	178,232			
Professional Services	2,483			
Travel & Training	16,417			
Total Traffic Operations - Eastern Reg		437,543		
SIGN SHOP				
Salaries	100,318			
Office & Postage	63			
Tel & Tel	1,100			
Equipment	521			
Materials & Supplies	143,473			
Professional Services	3,123			
Travel & Training	1,262			
Total Sign Shop		249,860		

TOTAL TRAFFIC OPERATIONS			2,139,462	
CAPITAL PROJECTS OPERATIONS				
CHIEF ENGINEER'S OFFICE				
Salaries	191,940			
Office & Postage	1,830			
Tel & Tel	4,832			
Miscellaneous	18,861			
Equipment	8,502			
Materials & Supplies	74,913			
Professional Services	59,966			
Travel & Training	3,144			
Total Chief Engineer's Office		363,988		
WESTERN REGION				
Salaries	860,281			
Office & Postage	2,662			
Tel & Tel	21,244			
Miscellaneous	73			
Equipment	64,297			
Materials & Supplies	36,075			
Professional Services	4,894			
Travel & Training	48,696			
Total Western Region		1,038,222		
CENTRAL REGION				
Salaries	708,795			
Office & Postage	24			
Tel & Tel	97,514			
Equipment	75,056			

Materials & Supplies	44,024			
Professional Services	715			
Travel & Training	44,146			
Total Central Region		970,274		
EASTERN REGION				
Salaries	600,888			
Office & Postage	54			
Tel & Tel	5,949			
Miscellaneous	479			
Equipment	220,454			
Materials & Supplies	43,284			
Travel & Training	63,503			
Total Eastern Region		934,611		
BUILDING CONSTRUCTION				
Salaries	87,150			
Tel & Tel	1,371			
Equipment	688			
Materials & Supplies	265			
Professional Services	118			
Travel & Training	14,154			
Total Building Construction		103,746		
TOTAL CAPITAL PROJECT OPERATIONS			3,410,841	
ENGINEERING SERVICES				
OPERATIONS - ENGINEERING SERVICES				
Salaries	257,707			

Office & Postage	4,650			
Tel & Tel	2,442			
Miscellaneous	12			
Equipment	32,980			
Materials & Supplies	13,959			
Professional Services	1,920			
Travel & Training	21,589			
Total Operations - Engineering Services		335,259		
SURVEYS - ENGINEERING SERVICES				
Salaries	300,739			
Office & Postage	153			
Tel & Tel	3,952			
Miscellaneous	1,434			
Equipment	10,105			
Materials & Supplies	3,580			
Professional Services	1,810			
Travel & Training	12,410			
Total Surveys - Engineering Services		334,183		
POLICY OFFICE - ENGINEERING SERVICES				
Salaries	86,026			
Office & Postage	275			
Tel & Tel	8,209			
Miscellaneous	58			
Equipment	3,244			
Materials & Supplies	6,834			
Professional Services	50,350			
Travel & Training	30,397			
Total Policy Office - Engineering Services		185,393		

TOTAL ENGINEERING SERVICES			854,835	
PLANNING & DESIGN OPERAITONS				
MANAGERS OFFICE - PLANNING & DESIGN				
Salaries	100,313			
Office & Postage	1,667			
Tel & Tel	2,523			
Equipment	19,166			
Materials & Supplies	683			
Travel & Training	4,400			
Total Managers Office - Planning & Design		128,752		
HIGHWAY PLANNING				
Salaries	53,547			
Office & Postage	230			
Tel & Tel	1,898			
Miscellaneous	273			
Equipment	1,203			
Materials & Supplies	22,392			
Travel & Training	1,876			
Total Highway Planning		81,419		
BUILDING DESIGN				
Salaries	71,744			
Office & Postage	45			
Tel & Tel	2,153			
Equipment	4,069			
Materials & Supplies	235			
Professional Services	1,272			
Travel & Training	7,828			

Total Building Design		87,346		
PAVEMENT MANAGEMENT				
Salaries	102,856			
Tel & Tel	2,354			
Equipment	10,527			
Materials & Supplies	7,370			
Professional Services	9,199			
Travel & Training	7,748			
Total Pavement Management		140,054		
HIGHWAY DESIGN				
Salaries	254,568			
Office & Postage	27			
Tel & Tel	1,875			
Equipment	51,864			
Materials & Supplies	16,876			
Professional Services	8,419			
Travel & Training	6,305			
Total Highway Design		339,934		
TOTAL PLANNING & DESIGN OPERATIONS			777,505	
MATERIALS TESTING LAB				
Salaries	831,716			
Office & Postage	2,114			
Tel & Tel	20,278			
Miscellaneous	803			
Equipment	119,436			

Materials & Supplies	47,765			
Professional Services	4,598			
Travel & Training	68,787			
Total Materials Testing Lab		1,095,497		
TOTAL DEPT OF TRANSP & PUBLIC WKS				
ORDINARY ACCOUNT				62,100,220

CAPITAL EXPENDITURES				
Year Ending March 31, 1999				
CULVERTS C/A				
Western Region	231,669			
Central Region	302,744			
Eastern Region	120,629			
Total Culverts C/A		655,042		
BRIDGES C/A				
WESTERN REGION				
Hamilton - Timber Box	19,747			
Darnley Bridge Approach	50,123			
Bideford - Timber Box	35,044			
Milligan Wharf Rd.	65,543			
Arlington - Timber Box	9,897			
Miminegash Harbour Bridge	17,450			
Knox Lane - Timber Box	19,515			
Total Western Region		217,319		
CENTRAL REGION				
Elliotts - Timber Box	19,524			
Victoria Causeway	37,784			
Seaview County Line Rd	23,947			
Millville - Timber Box	23,789			
Total Central Region		105,044		
EASTERN REGION				

Gladstone - Timber Box	14,063			
Point Pleasant	16,022			
Total Eastern Region		30,085		
BRIDGE CAPITAL MISC. ACCOUNTS				
Bridges Miscellaneous	563,543			
Total Bridge Capital Misc. Accounts		563,543		
TOTAL BRIDGE C/A			915,991	
PROVINCIAL PAVING				
WESTERN REGION				
Ditching & Surfacing - Zone 19	82,917			
Ditching & Surfacing - Zone 20 & 24	167,344			
Ditching & Surfacing - Zone 23	96,141			
Ditching & Surfacing - Zone 25	104,750			
Ditching & Surfacing - Zone 26 & 27	116,982			
Land Purchase Alma Stockpile	2,500			
Security Fencing S'side Storage Yard	16,230			
Asphalt Spreader Rental	300,871			
Government Spreader	720,251			
Total Western Region		1,607,986		
CENTRAL REGION				
Ditching & Surfacing - Zone 6	92,293			
Ditching & Surfacing - Zone 7, 9 & 15	74,837			
Ditching & Surfacing - Zone 8	85,039			
Ditching & Surfacing - Zone 16 & 17	87,985			

Ditching & Surfacing - Zone 18	73,784			
Borden Salt Shed - Demo	12,500			
Major Environmental Improvements	48,980			
Maintenance Re-cap	19,812			
Asphalt Crushing	43,043			
Supply & Install Hoppers	118,122			
Repair Maintenance Ch'town Depot	432			
Total Central Region		656,827		
EASTERN REGION				
Ditching & Surfacing - Zone 1	74,995			
Ditching & Surfacing - Zone 2	74,979			
Hazelgreen Rd Ditching	3,313			
Cardigan Fish Hatchery	20,359			
Ditching & Surfacing - Zone 3	74,972			
Ditching & Surfacing - Zone 4	79,324			
Panmure Island Causeway	9,742			
Hopefield	42,978			
Ditching & Surfacing - Zone 5	81,513			
Gravel Stockpile & Place	35,421			
Maintenance Re-cap - Zone 1-3	450,026			
Maintenance Re-cap - Zone 4 & 5	390,546			
Total Eastern Region		1,338,168		
TOTAL PROVINCIAL PAVING			3,602,981	
HIGHWAY RECONSTRUCTION				
WESTERN REGION				
Seven Mile Bay Rd Property	76,000			
Anderson Rd - Kinkora	11,980			
Haul Rd - Borden	62,836			

Spring Valley Rd Rte 102	118,329			
Lower New Annan	448,957			
Town of Kensington Paving Assistance	55,000			
Abrams Village - Maximeville	206,401			
Kinsman Rd	15,532			
Locke Rd Rte 147	223,150			
Huntley Rd - Alberton	8,736			
Church St. North Rte 14	2,780			
Dalton Ave. - Tignish	88,823			
Harper Rd Rte 158	215,281			
Chaisson Rd	84,734			
Total Western Region		1,618,539		
CENTRAL REGION				
Kinlock Rd-TCH Int.	2,287			
Vernon River Br	39,982			
Stratford-Blake Wood Sub-division	4,720			
French Village Rd Rte 217	135,638			
Reeves Estates Blvd	90			
Hardy Mill Rd	81,413			
Greensview Dr.	6,468			
Norwood Int. Perimeter Hwy Sidewalk	330			
Land Purchase G. Crosby-Malpeque	29,000			
Cornwall - Land	5,050			
South Shore Rd	109,663			
Westwood Elementary Storm Sewer	64,576			
Emerald Rd Rte 232	150,843			
Cameron Rd	86,340			
French River Rd Rte 20	202,377			
Hovercraft Landing Pad - Rustico	2,653			
Hillsboro Bridge	0			
Paint Various Rds - Central Region	49,911			
Total Central Region		971,341		

EASTERN REGION				
Basin Head Wharf	62,272			
Chapel St. - Souris	5,720			
Main St. Souris Storm Sewer	61,125			
East Point Rd Rte 16	235,951			
Knight St. - Souris	23,250			
Georgetown	103,028			
Poole's Corner - Property	33,000			
Property Judith Misener - Montague	100,583			
Property - Kilmur	24,500			
Pt. Pleasant Rte 17	150,093			
Gladstone Rd Rte 348	237,331			
Repair Sts - Montague	20,000			
Paint Various Rds - Eastern Region	19,812			
Total Eastern Region		1,076,665		
OTHER				
Liquid Asphalt	(151,848)			
Seeding	(88,062)			
Crowbush Golf Course	222,708			
Holland College Project	524			
Rails to Trails Student Crews	210,445			
Roadside Sign - Nova Scotia & New Brunswick	48,151			
Highway Line Materials	19,812			
Brudenell Resort Development	463,225			
Mill River Golf Course	107,763			
Ch'town By-Pass Land Purchases	340,510			
Centre Line Paint Machine	95,572			
Canadian Pavilion World Rd Congress	10,000			
Aerospace Training Centre Project	149,116			
Total Other		1,427,916		

TOTAL HIGHWAY RECONSTRUCTION			5,094,461	
ATLANTIC FREIGHT TRANSITION PROG				
Fortune	64,242			
Brookfield Land	291			
Pinette Bridge	1,434			
Albany Y Ramps	6,431			
Ross' Corner - Bedeque	256,411			
Albany Ramps Overhead Signs	16,942			
Hunter River Rte 2	33,315			
Clyde River	36,257			
Winsloe - Milton	253,944			
Charlottetown Perimeter Highway	556,562			
Farmington Rte 2	929,296			
East Eldon - Lower Newtown	334,829			
Lower Malpeque Rd Overpass	2,243,894			
Richmond - Northam	961,726			
Cascumpec East	229,255			
Coleman Rte 2	94,731			
Montague - Bells' Hill	564,107			
Albion Cross	121,512			
Montague Bridge - Douses Rd	687,137			
Western Rd - Portage	40,598			
Church St. - Alberton	279,765			
Coleman - Brae Rte 14	242,759			
Souris Line Rd Rte 305	202,011			
Profits Corner Rte 2	334,153			
Tyne Valley Arch	260,602			
Cornwall Intersection Signalization	31,235			
Farmington - Whitty Rd	381,082			
Cardigan Rd Rte 321	438,327			
Bridgetown Rte 4	154,815			
Cornwal Intersection Rte 1 & 19	716,065			
Locke Shore Rd Intersection Rte 180 & 2	81,206			

Beach Point Rd Rte 18	225,422			
Hamilton Rd Rte 104	172,965			
Stratford Rd Storm Sewer	125,472			
Stratford Rd Pave	255,728			
Baldwin Rd Rte 5	137,362			
Irishtown Rd Rte 101	228,566			
Seven Mile Bay Rd Rte 10	341,170			
West Newton Rd Rte 111	214,832			
Wood Islands Intersection	23,913			
Selkirk Rd	283,329			
Murray Harbour Rd Rte 24	218,008			
Rustico Rd Rte 7	152,085			
Poplar Island Intersection Rte 1	102,175			
Collville Rd Pave	298,078			
TCH Peters Rd - New Haven	193,691			
Kingston Rd Rte 235	167,087			
St. Mary's Rd Pave	287,540			
Brackley Point Rd Rte 15	191,835			
48 Rd Rte 5	110,715			
Wood Islands Rd	541,274			
Ft. Augustus Rd Rte 21	82,622			
Cascumpec West Rte 12	282,824			
Stratford Rd Storm Sewer (New)	128,265			
Red Bridge Rte 1A & 107	11,628			
Poole's Corner Intersection	500,426			
Riverside Drive	1,254,889			
TCH - Thompson Dr.	507,229			
Portage Rd Pave	145,036			
Western Rd Rte 2 - Bloomfield	7,586			
TOTAL ATLANTIC FREIGHT TRANSITION PROGRAM		17,746,686		
PARKING LOT ASSISTANCE		44,378		
CAPITAL GARAGE EQUIPMENT		645,002		
BRIDGES & ROADS UNDER LEASE		2,208,303		

TOTAL HIGHWAY CAPITAL			30,912,844	
CAPITAL BUILDING BRANCH				
Province House	106,600			
Borden Scale House	12,452			
Coles Building	201,359			
Government House Renovations	71,254			
Basin Head	2,906			
Customs Building	8,921			
Shaw Building Renovations	127,830			
Bridgetown Highway Depot	1,111,532			
Email Infrastructure	129,897			
Orwell Corner Renovations	46,691			
Jones Building Renovations	209,144			
The Ark	51,119			
Highway Material Testing Lab	618,506			
O'Leary Community Hospital	52,567			
Montgomery Hall - Holland College	147,293			
Provincial Addiction Facility	5,765			
Land Purchases	1,171,625			
PAB Parking Lot	32,036			
Nurses Residence	50,838			
TOTAL CAPITAL BUILDING BRANCH			4,158,335	
TOTAL CAPITAL EXPENDITURES				
DEPT OF TRANSPORTATION & PW				35,071,179
TOTAL EXPENDITURES				
DEPT OF TRANSPORTATION & PW				91,171,399